



TtNUS/TAL-01-006/0401-3.2

January 26, 2001

Joe Fugitt, P.G.
Remedial Project Manager
Technical Review/Federal Facilities
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

RE: Site Assessment Report Addendum
Underground Storage Tank Site 23
U.S. Naval Air Station Pensacola
Pensacola, Florida
FDEP #179203973

Mr. Fugitt:

Tetra Tech NUS, Inc. (TtNUS) is pleased to submit the Site Assessment Report (SAR) Addendum for Underground Storage Tank Site 23 located at Naval Air Station Pensacola, Pensacola, Florida. This SAR Addendum has been prepared for the U.S. Navy Southern Division Naval Facilities Engineering Command under Contract Tank Order 112, for the Comprehensive Long-term Environmental Action Navy (CLEAN) Contract Number N62467-94-D-0888.

The purpose of investigation was to address comments on the SAR from Florida Department of Environmental Protection (FDEP) dated March 31, 1998.

PREVIOUS INVESTIGATIONS

Investigations conducted at Site 23 prior to the SAR included an Initial Assessment Study (NEESA, 1983), a Verification Study (G&M, 1984), a Contamination Assessment (E&E, 1991), and the abandonment of three AVGAS Underground Storage Tanks, USTs 116, 119, 122, located within Site 23 (SOUTHNAVFACENGCOM, 1995).

Mr. Joe Fugitt FDEP January 26, 2001 – Page 2

Field activities were conducted for the original SAR in March through May 1997 and included a hand auger soil survey and the installation of six shallow monitoring wells. In February 1998, the NASP Navy Public Works Center submitted a SAR based on the findings of all investigations.

Upon review of the SAR, FDEP issued a letter providing comments on the SAR and requiring the preparation of a SAR Addendum for the site. The FDEP letter detailed four (4) comments to be addressed in order to meet the requirements of Chapter 62-770, Florida Administrative Code (FAC). A copy of FDEP's letter is provided in Attachment A. The SAR Addendum letter report addresses each of the comments and summarizes the work performed by TtNUS. Conclusions and recommendations for the site are also provided.

SAR ADDENDUM INVESTIGATION METHODS

On May 9 and 10, 2000, TtNUS personnel collected soil samples for OVA screening from 37 soil boring locations (Figure 1, Attachment B). Two soil samples were collected in each soil boring from depths of approximately 1 foot and 2 feet below land surface (bls) using a stainless steel hand auger. The soil sampling activities were conducted in accordance with TtNUS's FDEP approved, Comprehensive Quality Assurance Plan (CQAP) No. 980038 and soil screening was conducted as specified in Petroleum Contamination Site Cleanup Criteria - Chapter 62-770 FAC.

A map showing the individual soil boring locations is provided as Figure 1 (Attachment B), an isoconcentration map showing the aerial distribution of the highest net OVA concentrations (filtered concentration subtracted from the unfiltered concentration) from each soil boring is provided as Figure 2 (Attachment B).

In addition to the soil screening field investigation, confirmation soil samples were collected for laboratory analysis. Six soil samples (plus a duplicate sample) were collected from the onsite soil borings. The soil borings that were sampled included HA04 (with a duplicate sample), HA20, HA22, HA26, HA29, and HA33. The sample locations were chosen based on OVA headspace screening results and field observations. Because of the age of the releases being investigated, field observations such as staining of the soil and/or soil odor were important factors in choosing laboratory samples.

Mr. Joe Fugitt FDEP January 26, 2001 – Page 3

The soil sample designations were numbered NASPXXHAYYZZ, where:

NASP = Naval Air Station Pensacola

XX =the site number (Site 23),

HA = hand auger soil boring,

YY = boring number (e.g. 03),

ZZ =sample depth interval (e.g. 02 = 2 ft).

Each confirmation soil sample was analyzed for the parameters listed below.

- Volatile Organic Compounds (VOC) EPA Method 8021B
- Polynuclear Aromatic Hydrocarbons (PAH) EPA Method 8310
- Total Recoverable Petroleum Hydrocarbons (TRPH) FL PRO

The investigation results and conclusions will be discussed in the Response to Comments format relative to the FDEP comments received on the Site 23 SAR.

RESPONSE TO COMMENTS

Comment 1. The 1965 Navy Special Fuel Oil spill and the 1968 and 1969 Diesel Fuel Marine spills should be located on a site map with the monitoring wells to determine if monitoring wells are correctly placed to detect groundwater contamination.

The former fuel piping trenchline, site assessment monitoring wells (1997), and approximate location of the 1965, 1968, and 1969 releases are depicted in Figure 1 (Attachment B). Based on Figure 1, MW-4 and MW-5 are located within the probable release area.

Comment 2. Tables with filtered and unfiltered OVA readings from soil borings should be provided. Also, the soil boring logs should be provided. Because of the age of the spills and because groundwater is encountered very close to the ground surface, most of the volatile fractions may have evaporated off. For this reason, visual observations of soil staining may be more accurate in defining areas potentially contaminated by petroleum.

Attachment C contains the following:

- Table 1, which summarizes soil OVA concentrations for the Site Assessment (1997) field event complied from WES, Inc. field book entries
- Table 2, which summarizes soil OVA concentrations for the Site Assessment Addendum (2000) field event
- Soil boring logs for the 1997 soil screening sampling event
- Soil boring logs for the 2000 field event

Comment 3. There is an inconsistency between the text and the lithologic logs in Appendix B. The text states that VOC readings in soil samples collected during monitoring well installation were BDL whereas the lithologic logs of monitoring wells MW-3, MW-4, MW-5, and MW-6 show that excessively contaminated soil may exist at these locations. This inconsistency should be resolved.

Field log entries by WES, Inc. personnel document the detection of measurable VOC vapor concentrations in samples collected from the locations in question. The boring logs are correct, the referenced statement (paragraph two, Section 2.4 of the SAR) is incorrect.

Comment 4. Soil samples should be collected and analyzed for the gasoline and kerosene analytical groups in accordance with the procedures specified in the Department's February 3, 1998 memo titled "Interim Guidance for Laboratory Analyses of Soil Samples for Petroleum Contamination Site Assessments.

Six soil samples (plus one duplicate sample) were collected for laboratory analysis during the May 2000 sampling event. The samples were collected from locations corresponding to low, medium and high OVA headspace readings reported during the soil screening event. The laboratory results are discussed in the next section.

RESULTS

Soil screening investigation included completion of 37 soil borings over the previous soil investigation area. Five of the soil borings were reported to contain OVA headspace readings exceeding 50 parts per million (ppm). Six soil samples corresponding to low, medium and high OVA headspace readings were collected for confirmation laboratory analysis. The confirmation laboratory analysis indicated no VOC or PAHs were present above instrument detection limits.

Mr. Joe Fugitt FDEP January 26, 2001 – Page 5

TPH was detected in the confirmation laboratory samples, however the detected concentrations ranged from 7.68 to 63.6 mg/kg and were therefore below the Florida Soil Cleanup Target Levels (SCTLs) for a Residential Direct Exposure of 340 mg/kg. The laboratory analytical results are summarized on Table 3 (Attachment C). A copy of the laboratory analytical results is included in Attachment D.

CONCLUSIONS AND RECOMMENDATIONS

Conclusions

- Monitoring wells installed for the original SAR are appropriately located for the groundwater investigation of the site.
- Soil screening activities completed in 1997 as part of the SAR indicated 24 soil borings with OVA headspace reading exceeding 50 ppm. Additional soil borings completed in the same area for this SAR addendum indicated 5 soil borings with OVA soil headspace measurements exceeding 50 ppm.
- Soil samples collected for confirmation laboratory analysis did not contain VOCs or PAH
 analytes at concentrations exceeding instrument detection limits. TPH was detected in the
 confirmation soil samples, but the detected concentrations did not exceed FDEP's SCTLs.

Recommendations

Based on the results and conclusions contained in the SAR completed in February 1998, and this SAR addendum, TtNUS proposes a No Further Action without conditions be granted for Site 23. This proposal is based on the following:

- Analytical results reported in the SAR for groundwater samples collected from appropriately located monitoring wells indicate no exceedances of Federal or State water standards.
- Appropriate resolution of FDEP's comments concerning the Site 23 SAR.

Mr. Joe Fugitt FDEP January 26, 2001 – Page 6

 Analytical results from soil samples collected from areas of reported excessively contaminated soil indicated no exceedances of the Florida Soil Cleanup Target Levels as specified in Chapter 62-777 FAC.

If you have any questions regarding this submittal, please contact me at (850) 385-9899.

Sincerely,

TETRA TECH NUS, INC.

Gerald A. Walker, P.G Task Order Manager

Florida License No. PG-0001180

SB/gw

Enclosures (2)

cc:

B. Glover, SOUTHNAVFACENGCOM

G. Campbell, NAS Pensacola

Hersel a Walker

Debbie Wroblewski (Cover Letter Only)

M. Perry/file (unbound)

REFERENCES

Ecology and Environment, Inc. (E&E) 1991. Contamination Assessment/Remedial Activities, Naval Air Station Pensacola, Pensacola, Florida.

Geraghty and Miller, Inc. (G&M) 1984. Assessment of Potential Groundwater Pollution at Naval Air Station Pensacola, Pensacola, Florida.

Naval Air Station Pensacola, Navy Public Works Center, 1998, Site Assessment Report for Underground Storage Tank Site 23, Naval Air Station Pensacola, Pensacola Florida, February, 1998.

Naval Energy and Environmental Support Activity (NEESA) 1983. *Initial; Assessment Study of Naval Air Station Pensacola, Pensacola, Florida.*

Southern Division Naval Facilities Engineering Command (SOUTHNAVFACENGCOM) 1995. Contamination Assessment Report Addendum Site 5, UST 116, Naval Aviation Depot, Naval Air Station Pensacola, Pensacola, Florida.

Southern Division Naval Facilities Engineering Command (SOUTHNAVFACENGCOM) 1995. Contamination Assessment Report Addendum Site 6, UST 119, Naval Aviation Depot, Naval Air Station Pensacola, Pensacola, Florida

Southern Division Naval Facilities Engineering Command (SOUTHNAVFACENGCOM) 1995. Contamination Assessment Report Addendum Site 7, UST 122, Naval Aviation Depot, Naval Air Station Pensacola, Pensacola, Florida

ATTACHMENT A
FDEP Comment Letter

Department of Environmental Protection

Lawton Chiles Governor

Twin Towers Building 2500 Blair Stone Road Tallahassee, Florida 32399-2400 Virginia B. Wetherell Secretary

March 31, 1998

Mr. Byas Glover
Code 18410
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
P.O. Box 190010
North Charleston, South Carolina 29419-9010

RE: Site Assessment Report, Site 23
Naval Air Station Pensacola, Florida
FDEP #179203973

Dear Mr. Glover:

I have completed the technical review of the above referenced document dated February 1998 (received March 3, 1998), submitted for this Site 23. Please submit a Site Assessment Report Addendum which addresses the comments in the attached memorandum from David Grabka. The memorandum referenced in Comment No. 4 is included.

If I can be of any further assistance with this matter, please contact me at (904) 921-9989.

Sincerely,

John W. Mitchell

Remedial Project Manager

cc: Dean Spencer, NAS Pensacola
 Greg Campbell, NAS Pensacola
 Tom Moody, FDEP Northwest District

тјв __13

ло <u>()00</u>

ESN ESA

Memorandum

Florida Department of Environmental Protection

TO:

John Mitchell, E.S. III, Remedial Project Manager, Technical Review Section

THROUGH:

Tim Bahr, P.G. Supervisor, Technical Review Section B

FROM:

David P. Grabka, E.S. I, Technical Review Section

DATE:

March 19, 1998

SUBJECT:

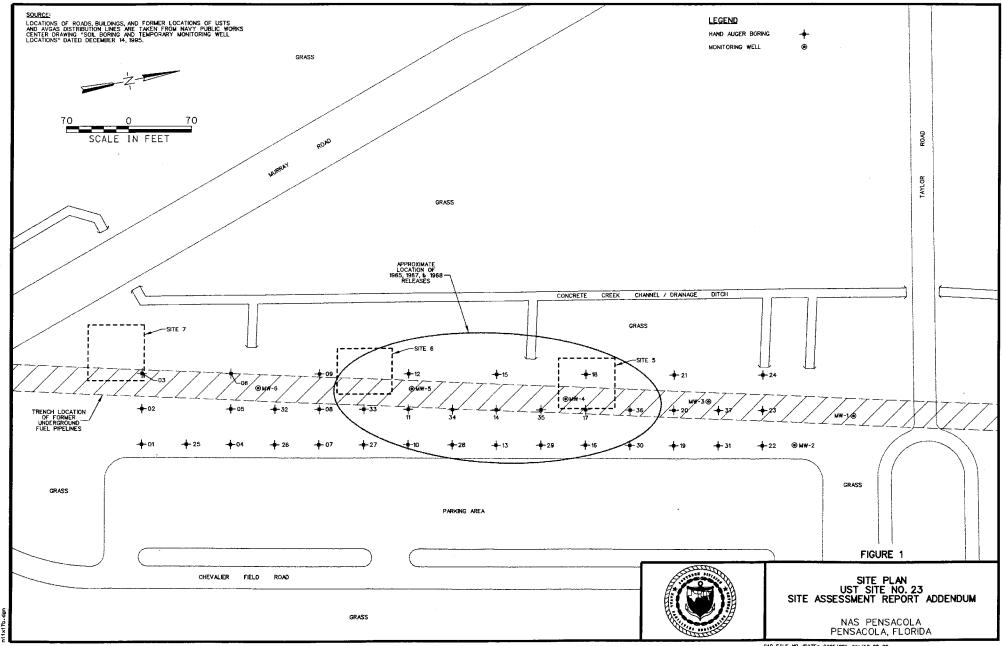
Site Assessment Report, Site 23, Naval Air Station Pensacola, Florida,

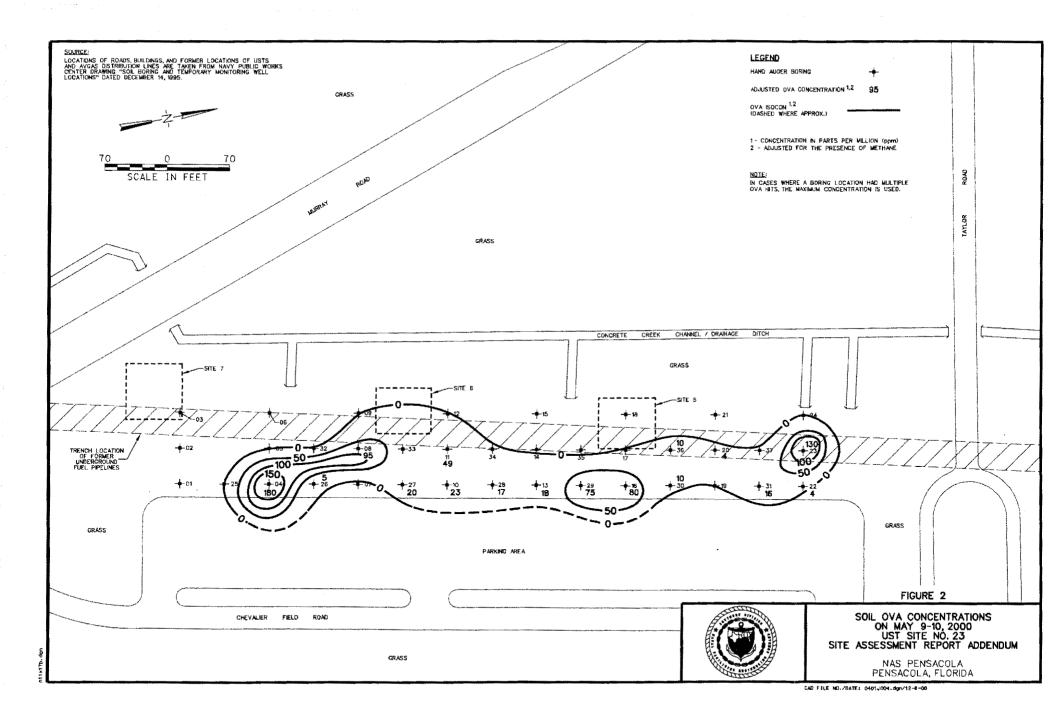
February 25, 1998

I have completed my review of the Site Assessment Report (SAR) and request for No Further Action (NFA) for Site 23, NAS Pensacola, prepared by the Navy Public Works Center. Before No Further Action can be approved for this site and in order to meet the requirements of Chapter 62-770, Florida Administrative Code (F.A.C.), the following comments need to be addressed in a Site Assessment Report Addendum:

- (1) The 1965 Navy Special Fuel Oil spill and the 1968 and 1969 Diesel Fuel Marine spills should be located on a site map with the monitoring wells to determine if monitoring wells are correctly placed to detect groundwater contamination.
- (2) Tables with filtered and unfiltered OVA readings from soil borings should be provided. Also, the soil boring logs should be provided. Because of the age of the spills and because groundwater is encountered very close to the ground surface, most of the volatile fractions may have evaporated off. For this reason, visual observations of soil staining may be more accurate in defining areas potentially contaminated by petroleum.
- (3) There is an inconsistency between the text and the lithologic logs in Appendix B. The text states that VOC readings in soil samples collected during monitoring well installation were BDL whereas the lithologic logs of monitoring wells MW-3, MW-4, MW-5 and MW-6 show that excessively contaminated soil may exist at these locations. This inconsistency should be resolved.
- (4) Soil samples should be collected and analyzed for the gasoline and kerosene analytical groups in accordance with the procedures specified in the Department's February 3, 1998 memo titled "Interim Guidance for Laboratory Analyses of Soil Samples for Petroleum Contamination Site Assessments."

ATTACHMENT B
Figures





ATTACHMENT C
Tables
Soil Boring Logs

TABLE 1 SOIL SCREENING OVA CONCENTRATIONS - MARCH AND APRIL 1997 UST SITE 23

NAVAL AIR STATION PENSACOLA PENSACOLA, FLORIDA PAGE 1 OF 2

Sample ID		Unfiltered	Filtered		
	Depth				
	(feet)	(PPM)	(PPM)		
SB01	1.0	0	NA		
	2.0	REFU	SAL		
SB02	1.0	0	NA.		
	2.0	0	NA		
SB03	1.0	0	NA		
	2.0	0	NA		
SB04	1.0	0	NA		
	2.0	0	NA		
SB05	1.0	0	NA		
	2.0	0	NA		
SB06	1.0	0	NA		
	2.0	0	NA		
SB07	1.0	0	NA.		
	2.0	0	NA		
SB08	1.0	0	NA		
	2.0	>1,000	>1,000		
SB09	1.0	0	NA		
	2.0	0	NA		
SB10	1.0	0	NA		
	2.0	0	NA		
SB11	1.0	0	NA		
	2.0	0	NA		
SB12	1.0	0	NA		
	2.0	0	NA		
SB13	1.0	REFU			
	2.0	0	NA		
SB14	1.0	0	NA		
	2.0	>1,000	>1,000		
SB15	1.0	0	NA		
	2.0	0	NA		
SB16	1.0	0	NA		
	2.0	0	NA		

Sample ID	Sample Depth	Unfiltered	Filtered				
	(feet)	(PPM)	(PPM)				
SB17	1.0	90	25				
	2.0	55	0				
SB18	1.0	0	NA				
	2.0	REFU	NA FUSAL NA				
SB19	1.0	0	NA				
	2.0	0	NA				
SB20	1.0	20	0				
-	2.0	45	0				
SB21	1.0	0	NA				
	2.0	0	NA				
SB22	1.0	0	NA				
	2.0	0	NA				
SB23	1.0	0	NA				
	2.0	>1,000	<i>⊷</i> 1,000				
SB24	1.0	0	NA				
	2.0	0	NA				
SB25	1.0	0	NA				
	2.0	0	. NA				
SB26	1.0	>1,000	>1,000				
	2.0	>1,000	>1,000				
SB27	1.0	0	NA				
	2.0	0	NA				
SB28	1.0	0	NA				
	2.0	0	NA				
SB29	1.0	0	NA ·				
	2.0	0	NA				
SB30	1.0	. 0	NA				
	2.0	0	NA				
SB31	1.0	0	NA				
	2.0	0	NA				
SB32	1.0	25	15				
	2.0	10	5				

Sample ID	Sample	Unfiltered	Filtered
•	Depth		· intered
	(feet)	(PPM)	(PPM)
SB33	1.0	0	NA
	2.0	0	NA
\$B34	1.0	0	NA
	2.0	REFU	SAL
SB35	1.0	0	NA
	2.0	0	NA
SB36	1.0	0	NA
	2.0	0	NA
SB37	1.0	0	ÑÂ
	2.0	0	NA
SB38	1.0	0	NA
	2.0	0	NA
SB39	1.0	0	NA
	2.0	0	NA
SB40	1.0	0	NA
	2.0	0	NA
SB41	1.0	0	NA
	2.0	REFU	SAL
SB42	1.0	0	NA
	2.0	5	0
SB43	1.0	0 -	NA
	2.0	0	NA
SB44	1.0	Ō	NA
	2.0	0	NA
SB45	1.0	0	NA
	2.0	0	NA
SB46	1.0	0	NA
	2.0	0	: NA
SB47	1.0	0	NA
	2.0	0	NA
SB48	1.0	0	NA
	2.0	0	NA

TABLE 1 SOIL SCREENING OVA CONCENTRATIONS - MARCH AND APRIL 1997 UST SITE 23

NAVAL AIR STATION PENSACOLA PENSACOLA, FLORIDA PAGE 2 OF 2

Sample ID	Sample	Unfiltered	Filtered		
	Depth	(DDIII)	,,,,,,,		
	(feet)	(PPM)	(PPM)		
SB49	1.0	0	NA		
	2.0	0	NA		
SB50	1.0	0	NA		
	2.0	0	NA		
SB51	1,0	0	NA		
	2.0	0	NA		
SB52	1.0	5	0		
	2.0	>1,000	>1,000		
SB53	1.0	>1,000	>1,000		
	2.0	>1,000	>1,000		
SB54	1.0	>1,000	>1,000		
	2.0	>1,000	>1,000		
SB55	1.0	>1,000	>1,000		
	2.0	>1,000	>1,000		
SB56	1.0	0	NA		
	2.0	0	NA		
SB57	1.0	0	NA		
	2.0	0	NA		
SB58	1.0	0	NA		
	2.0	0	NA		
SB59	1.0	0	NA		
	2.0	0.	NA		
SB60	1.0	>1,000	>1,000		
	2.0	78	51		
SB61	1.0	0	NA		
	2.0	3	0		
SB62	1.0	0	NA		
	2.0	>1,000	>1,000		

Sample ID	Sample	Unfiltered	Eiltered			
	Depth	Omitte 60	Linteled			
	(feet)	(PPM)	(PPM)			
SB63	1.0	40	0			
	2.0	>1,000	>1,000			
SB64	1.0	0	NA			
	2.0	0	NA			
SB65	1.0	0	NA			
	2.0	REFU	SAL			
SB66	1.0	>1,000	>1,000			
	2.0	>1,000	>1,000			
SB67	1.0	0	NA			
	2.0	>1,000	>1,000			
SB68	1.0	15	0			
	2.0	>1,000	>1,000			
SB69	1.0	>1,000	>1,000			
	2.0	30	0			
SB70	1.0	0	NA			
	2.0	0	NA			
SB71	1.0	0	NA			
	2.0	0	NA			
SB72	1.0	65	0			
	2.0	>1,000	>1,000			
SB73	1.0	>1,000	>1,000			
	2.0	85	0			
SB74	1.0	30	15			
	2.0	20	18			
\$B75	1.0	49	31			
	2.0	12	12			
SB76	1.0	0	NA			
	2.0	19	10			

Sample ID	Sample	Unfiltered	Filtered		
-	Depth				
	(feet)	(PPM)	(PPM)		
SB77	1.0	0	NA		
	2.0	0	NA		
SB78	1.0	65	35		
	2.0	>1,000	>1,000		
SB79	1.0	0	NA		
*,	2.0	0	NA		
SB80	1.0	0	NA		
	2.0	>1,000	>1,000		
SB81	1.0	3	0		
	2.0	>1,000	>1,000		
SB82	1.0	0	NA		
	2.0	0	NA		
SB83	1.0	1.0 0			
	2.0	0	NA		
SB84	1.0	25	25		
	2.0	>1,000	>1,000		
SB85	1.0	17	17		
	2.0	45	15		
SB86	1.0	0	NA		
	2.0	0	NA		
SB87	1.0	>1,000	>1,000		
	2.0	>1,000	>1,000		
SB88	1.0	15	15		
	2.0	>1,000	>1,000		
SB89	1.0	0	NA		
	2.0	>1,000	>1,000		
SB90	1.0	0	NA .		
	2.0	0	NA		

TABLE 2 SOIL SCREENING OVA CONCENTRATIONS - MAY 2000 UST SITE 23

NAS PENSACOLA PENSACOLA, FLORIDA PAGE 1 OF 3

Sample ID	Sample Depth (feet)	Unfiltered Concentration (PPM ¹)	Filtered Concentration (PPM¹)	Net VOC Concentration (PPM¹)
HA01	1.0	0	NA	0
	2.0	0	NA	0
HA02	1.0	0	NA	0
	2.0	0	NA	0
HA03	1.0	0	NA	0
	2.0	0	NA	0
HA04	1.0	31	31	0
	2.0	260	80	180
HA05	1.0	0	NA	0
	2.0	0	NA	0
HA06	1.0	0	NA	0
	2.0	0	NA	0
HA07	1.0	80	80	O
	2.0	(saturated)	NA	0
HA08	1.0	0	NA	0
	1.5	210	115	95
HA09	1.0	0	NA	0
	1.5	0	NA	0
HA10	0.5	13	5	8
	1.0	65	42	23
HA11	• 1.0	0	NA	0
	2.0	70	21	49
HA12	1.0	0	NA	0
	2.0	0	NA	0
HA13	0.5	31	31	0
	1.0	38	20	18
HA14	1.0	0	NA	0
	2.0 Iillion	0	NA NA	Ö

TABLE 2 SOIL SCREENING OVA CONCENTRATIONS - MAY 2000 UST SITE 23

NAS PENSACOLA PENSACOLA, FLORIDA PAGE 2 OF 3

Sample ID	Sample	Unfiltered	Filtered	Net VOC
	Depth	Concentration	Concentration	Concentration
	(feet)	(PPM ¹)	(PPM¹)	(PPM ¹)
HA15	1.0	0	NA	0
	2.0	0	NA	0
HA16	0.5	35	35	0
	1.0	160	80	80
HA17	1.0	0	NA	0
	2.0	23	23	0
HA18	1.0	0	NA	0
	2.0	0	NA	0
HA19	0.5	40	40	0
	1.0	4	4	0
HA20	1.0	0	0	0
	2.0	22	18	4
HA21	1.0 1.5	0	NA NA	0
HA22	0.5	8	4	4
	1.0	2	2	0
HA23	1.0	120	70	50
	1.5	220	90	130
HA24	1.0	0	NA	0
	1.5	0	NA	0
HA25	0.5 1.0	0	0 3	0 0
HA26	0.5	15	15	0
	1.0	16	11	5
HA27	0.5	11	1	10
	1.0	65	45	20
HA28	0.5	10	10	0
	1.0	46	29	17

TABLE 2 SOIL SCREENING OVA CONCENTRATIONS - MAY 2000 UST SITE 23

NAS PENSACOLA PENSACOLA, FLORIDA PAGE 3 OF 3

Sample ID	Sample Depth (feet)	Unfiltered Concentration (PPM¹)	Filtered Concentration (PPM¹)	Net VOC Concentration (PPM¹)
HA29	0.5	0	0	0
	1.0	180	105	75
HA30	0.5	16	6	10
	1.0	NR	NA	0
HA31	0.5	0	NA	0
	1.0	31	15	16
HA32	1.0	0	NA	0
	2.0	0	NA	0
HA33	1.0	0	NA	0
	2.0	NR	NA	0
HA34	1.0	0	NA	0
	1.5	0	NA	0
HA35	1.0	0	NA	0
	2.0	0	NA	0
HA36	1.0	0	NA	o
	2.0	130	120	10
HA37	1.0	0	NA	o
1 - Parts Per M	1.5	0	NA	0

NA - Not Applicable NR - Not Reported

Table 3 SUMMARY OF ANALYTES DETECTED IN SOIL SAMPLES

UST SITE 23 NAS PENSACOLA PENSACOLA, FLORIDA

Sample No.		NASP23HA0401	NASP23HAD01	NASP23HA2002	NASP23HA2201	NASP23HA2601	NASP23HA2901	NASP23HA3302
Sample Location			duplicate HA04					
Collect Date		5/10/00	5/10/00	5/10/00	5/10/00	5/10/00	5/10/00	5/10/00
Sample Depth (bls)		1 ft_	1 ft	2 ft	1 ft	1 ft	1 ft	1 ft
[DE1 ¹ /DE2 ² /LE ³ (mg/kg)							
<u>Volatile⁴ (mg/kg)</u>								
None Detected							-	
Polycyclic Aromatic								
Hydrocarbons ⁵ (mg/kg)								
None Detected								
Total Petroleum								
Hydrocarbons ⁶ (mg/kg)	340/2500/340	28.2		· 	42.9	36.8	63.6	7.68

DE1= Direct Exposure limit for residential area from Chapter 62-777, F.A.C.

DE2= Direct Exposure limit for industrial area from Chapter 62-777, F.A.C.

³ LE= Leachability for groundwater limit from Chapter 62-777, F.A.C.

⁴ SW-846 8260B, 5 SW-846 6310, 6 FL-PRO

^{-- =} Compound was not detected above instrument detection limits.

PRO	JECT N	NAME: NUMBE		NAS Pe 0401	nsacola		BORING NUMI DATE:	BER:	27-Mar-97				
	LING (LING F	COMPA	ANY:				GEOLOGIST: DRILLER:		D. Parker				
		,, <u>,</u> ,	T		T	1.4A*T							
Sample	Depth	Blows/6"		Lithology	Soil Density/		ERIAL DESCRIPTION	٠,		<u> </u>	VA Read	iling (pp	om)
No. and Type or RQD	(FL) or Run No.	or ROD (%)	Rcovery/ Sample Length	Change (Depth/Ft.) or Screened Level	Consistency or Rock Hardness	Color	Material Classification	S C S	Remarks	UNFILTERED	FILTERED		
1-HA	1					red brown	medium-grained SAND			0	NA		
2-HA	2								REFUSAL		NA		
						-							
						, , , , , , , , , , , , , , , , , , ,							
									``				

							,			: 		_	
					·								
				1									
1144	h aa-i												
*When roo ** Include n	nonitor reak	nter rock bri ding in 6 foo	okeness. ot intervals	@ borehole. Ir	ncrease reading	g frequency if	elevated response is read.		Drilli Backgroun	ing A ıd (pp	rea om):[1
	-										-		
Conve	rted to	Well?			(No	Well I.I	D. #:					

PROJECT NAME: PROJECT NUMBER:			R:	NAS Per 0401	nsacola	·····		BORING NUMI		SB2 27-Mar-97				
		OMPA						GEOLOGIST:		D. Parker				
	LING F			*******				DRILLER:		D. I WKOI				
_	·								,					
0	B t.	D1(04	0	1/25-1	6.3537	MAT	RIAL DESCRIPT	rion			0	VA Read	ding (pp	m)
Sample No. and Type or RQD	Depth (FL) or Run No.	Blows/6* or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screaned Level	Soil Density/ Consistency or Rock Hardness	Color	Material Cl	assification	0 % C % •	Remarks	UNFILTERED	FILTERED		
1-HA	1		/			red brown	medium-grained S	SAND			0	NA		
2-HA	2					red brown	medium-grained S	SAND			0	NA		
											 			
											igapha			
											+			
											_			
								, (m.		#,				
								,			-			
				-			· · · · · · · · · · · · · · · · · · ·							
											-			
			$\overline{}$							-				
		$\overline{}$		ŀ					-		-			
\dashv			$\overline{}$							AAA				
			\supset	-										
	ľ			ŀ										
							·							
When mrd	coving e	nter rock bro	haness											
Include in	onitor rea	ding in 6 foo	nt intervals (@ borehole. ir	ncrease reading	frequency if	elevated response is read.			D	line A	ro=		
Remari	ks: _						***************************************			Backgrou	ling A nd (p _l	nea pm):[
	-	**************************************												

No

Converted to Well?

Well I.D. #: _____

PRO.	JECT N	NAME:		NAS Pe	nsacola		BORING NUME	BER:	SB3				
		NUMBE		0401			DATE:		27-Mar-97				
		COMPA	ANY:				GEOLOGIST:		D. Parker				
DRILI	LING F	राG: 					DRILLER:						
Sample	Depth	Blows/ 6"	Sample	Lithology	Soil Density/	MATE	ERIAL DESCRIPTION			°	VA Read	ing (ppr	m)
No. and Type or RQD	(Ft.) or Run No.	or ROD (%)	Rcovery/ Sample Length		Consistency or Rock	Color	Material Classification	U S C S *	Remarks	UNFILTERED	FILTERED		
2-HA	2					medium brown	silty, medium-grained SAND			0	NA		
2-HA	2					medium brown	silty, medium-grained SAND			0	NA		
	_						,,,			Ť	1.2.	\neg	
				-								_	
		$\langle \cdot \rangle$	$\langle \cdot $	-						-		\dashv	
			$\overline{}$							-		_	
			$\overline{}$							\vdash			
			$\overline{}$	1						+		\dashv	
				ŀ									\dashv
-+		\mathcal{A}	$\overline{}$	ŀ			**************************************			+-		\dashv	-
			\supset	ŀ						T		1	
	ľ			ŀ								\neg	
			$\overline{}$	-						\Box		1	
* When root ** Include in Remar	ionitor read			@ borehole. ir	ncrease reading	g frequency if	elevated response is read.		Dril Backgrou	ling A nd (p)			
Conver	nverted to Well? No Well I.D. #:												

⊃age	1	of	1	
_				

PROJECT NAME: PROJECT NUMBER: DRILLING COMPANY:				NAS Per	nsacola		BORING NUMI	3ER:	SB4				
PRO.	JECT N	NUMBE	R:	0401			DATE:		27-Mar-97				.,,,,
			NY:				GEOLOGIST:		D. Parker				
DRIL	LING F	RIG:					DRILLER:						
							RIAL DESCRIPTION			0	VA Rea	ding (pp	om)
Sample No. and	Depth (Ft.) or	Blows/6" or ROD	Rcovery/	Lithology Change	Soil Density/ Consistency			U		l a			
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Color	Material Classification	S	Remarks	TER	FILTERED		
				Level				s		UNFILTERED	불		
						medium		<u> </u>		<u> </u>			
1-HA	1	/_,	/_			brown	silty, medium-grained SAND			0	NA		
2-HA	2					medium brown	silty, medium-grained SAND	<u> </u>		0	NA		
				Γ									
	Ĭ		$\overline{}$	Ī									
* When roo ** include r				@ borehole. ir	crease reading	g frequency if	elevated response is read.						
Remar	ks:								Drill Backgrour	ing A nd (bi	rea rea		
	-									- (17)			
Conve	rted to	Well?			(No	Well I.	D. #:					

		NAME: NUMBE	R:	NAS Per 0401	nsacola			BORING NUMB	ER:	SB5 27-Mar-97				
DRILL	ING C	OMPA						GEOLOGIST:		D. Parker				
DRIL	JNG F	RIG:						DRILLER:						
							RIAL DESCRIP	TION			0	VA Read	ing (pp	m)
Sample No. and Type or RQD	Depth (FL) or Run No,	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/FL) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material C	assification	0000.	Remarks	UNFILTERED	FILTERED		
1-HA	1					red brown	medium-grained	SAND			0	NA		
2-HA	2					red brown	medium-grained	SAND			0	NA		
											-			
														_
			$\langle \cdot \rangle$										_	_
										,			_	\dashv
	·-··													
				Į										
														_
			$ \langle $											
			$\overline{}$									\dashv	-	
			\supset									\dashv	\dashv	
				ŀ								1	1	
		4	4										-	_
		$\overline{}$	$\overline{}$	ŀ								-	\dashv	_
		$\overline{}$		-								-+		_
				ŀ					\neg					
When roc include n	k coring, e nonitor rea	nter rock bro ding in 6 foo	okeness. ot intervels	@ borehole. Ir	crease readin	g frequency if	elevated response is read.			D-W	: ^			
Remar	ks:									Drill Backgroui	ing A	rea om):[
Conve	rted to	Well?			(No		Well I.D). #: _					

Converted to Well?

PROJECT NAME: PROJECT NUMBER: DRILLING COMPANY:				NAS Per	nsacola		BOR	ING NUMBE	ER:	SB6				
PRO.	JECT N	NUMBE	R:	0401			DATI			27-Mar-97				
			NY:					LOGIST:		D. Parker				
DRIL	LING F	RIG:					DRIL	LER:						******
							RIAL DESCRIPTION				0	VA Read	ding (pp	om)
Sample No. and	Depth (Ft.) or	Bkrws/6" or ROD	Rcovery/		Soil Density/ Consistency				U S		a			
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Color	Material Classific	ation	C	Remarks	TER.	FILTERED		
				Level					s		UNFILTERED	FIL		
									_	-				
1-HA	1					brown	silty, medto fine-grain	ed SAND			0	NA		
2-HA	2					brown	silty, medto fine-grain	ed SAND			0	NA		
		\angle												
					·									
					ï									
					1									
								·						
			$\overline{}$											
			$\overline{}$											
				ľ										
					.									
		nter rock bri ding in 6 for		@ borehole. Is	ncrease readin	g frequency i	elevated response is read.							
Remai	ks:									Drilli Backgroun	ing A Id (bi	rea om):[
· · · · · · · · · · · · · · · · · · · ·	-									2-7-3-00-	- (17)			
Conve	inverted to Well? No Well 1.D. #:													

PROJ DRILI	ECT N	IAME: IUMBE COMPA RIG:		NAS Per 0401	nsacola		BORING NUMB DATE: GEOLOGIST: DRILLER:	ER:	SB7 27-Mar-97 D. Parker				
	<u> </u>		1			MATE	RIAL DESCRIPTION				/A F		
Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Roovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	000.	Remarks	UNFILTERED	FILTERED X	ding (ppi	m)
1-HA	1					brown	silty, medto fine-grained SAND			0	NA		
2-HA	2					brown	silty, medto fine-grained SAND			0	NA		

									<u> </u>				
												_	\dashv
				Ì									
			$\overline{}$										-
				1								_	\dashv
			\angle										
			$\langle $	ŀ			· · · · · · · · · · · · · · · · · · ·						_
				ŀ								\dashv	_
\dashv		$\overline{}$	4	-								\dashv	
When mo	k copies as	iter rock bri	nkeness										
	nonitor rea			@ borehole. It	ncrease reading	frequency if	elevated response is read.		Drilli Backgroun				

Converted to Well?

Well 1.D. #:

PROJECT NAME: PROJECT NUMBER: DRILLING COMPANY: DRILLING RIG:				NAS Per 0401	nsacola		BORING NUMI	BER:					
				0401			GEOLOGIST:		27-Mar-97 D. Parker		·····		
			MVI.			· ·	DRILLER:		D. Farker				
D. (12)							······································						
	١	B			 	MATE	RIAL DESCRIPTION	4		0	VA Read	ling (pp	m)
Sample No. and	Depth (Ft.) or	Blows/6" or ROD	Sample Rcovery/	Lithology Change	Soil Density/ Consistency	1		ľ	İ	e			
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Color	Material Classification	S	Remarks	TER :	FILTERED		
				Level				s		UNFILTERED	🗄		1
] -			
1 -HA	1					brown	silty, medto fine-grained SAND			0	NA		
2-HA	2					brown	silty, medto fine-grained SAND			>1K	>1K		
								<u>L</u> .					
							·						
										\perp			
										$\perp \perp \mid$			[
				<u> </u>			·			\perp			
			$\langle \rangle$	-			· · · · · · · · · · · · · · · · · · ·					_	
			$\langle $	-						1		_	
-		/		-								_	_
			$\langle \cdot \rangle$							+			
				-						\longmapsto			4
			$\overline{}$	}						+		_	_
		$\overline{}$	4	-				_		\vdash			
		\longrightarrow	$\overline{}$	}						 		\dashv	
		\longrightarrow	$\overline{}$	-					 	+		\dashv	\dashv
When rock	k coring, er	iter rock bro	okeness.				<u></u>						
* Include m	nonitor read	ling in 6 foo	it intervals (@ borehole. In	icrease reading	g frequency if	elevated response is reed.		Dri	ling A	rea _		
Remar	ks: _		. 						Dri Backgrou	nd (pp	om):[
	-												
Conver	ted to	Well?			(No)	Well I.	D. #:					

Converted to Well?

age	1	of	1
~3~	•	٠.	

PROJ	ECT N	NAME:		NAS Per	nsacola		BORING NUM	BER:	SB9				
PROJ	ECT N	NUMBE	R:	0401			DATE:		27-Mar-97			***************************************	
		COMPA	NY:				GEOLOGIST:		D. Parker				
DRILL	ING F	RIG:					DRILLER:						
							RIAL DESCRIPTION			0	VA Read	ding (pp	om)
Sample No. and	Depth (Ft.) or	Blows/6" or ROD	Rcovery/		Soil Density/ Consistency			U		l e			
Type or RQD	Run No.	(%)	Sample Length	(Depth/FL) or Screened	or Rock Hardness	Color	Material Classification	C	Remarks	F.	FILTERED		
				Level				s		UNFILTERED	[]		
								╀		_			
1-HA	1					brown	silty, medto fine-grained SAND			0	NA		
2-HA	2					brown	silty, medto fine-grained SAND			0	NA		
								ļ					
			/_										
			$\overline{}$										
			$\overline{}$	ľ									
							***************************************					1	
	Ť			F			**************************************	T					
		nter rock bri ding in 6 fox		@ borehole. In	crease reading	frequency if	elevated response is read.	and the same of th			L		
									Drilli	ing A	rea		
Remarl	. 5.								Backgrour	iu (þ)	hiii):[
Converted to Well? No Well I.D. #:													

	JECT N	NAME: NUMBE	:R:	NAS Per 0401	nsacola		BORING NUM	BER:	SB10 27-Mar-97			
		OMPA					GEOLOGIST:		D. Parker			
DRILI	LING F	RIG:					DRILLER:					
Sample	Depth	Blows/ 6"	Sample	Lithology	Soil Density/		ERIAL DESCRIPTION	T		0	VA Readi	ng (ppm)
No. and Type or RQD	(FL) or Run No.	or ROD (%)	Rcovery/ Sample Length	Change (Depth/Ft.) or Screened Level	Consistency or Rock	Color	Material Classification	U S C S •	Remarks	UNFILTERED	FILTERED	
1-HA	1					red brown	medium-grained SAND			0	NA	
2-HA	2					red brown	medium-grained SAND			0	NA	
								ļ				
								-				
								-		-		
			$\overline{}$							+		
			$\langle \cdot \rangle$	ŀ			***************************************	-		-		
				ŀ						+		\dashv
				ŀ			<u> </u>					
			$\overline{}$	ŀ								
				ľ						<u> </u>		
				ŀ								
				ļ								
			\angle									
* When roo ** Include r Remar	monitor rea	nter rock br ding in 6 fo	okeness. ot intervels	@ borehole. In	ncrease readin	g frequency if	elevatad response is read.		Dri Backgrou	lling A ınd (p _l		
Сопче	nverted to Well? No Well I.D. #:											

Page	Í	of	1	
3-	-		-	

PRO. DRILI	LING C	IUMBE OMPA		NAS Per 0401	nsacola			BORING NUME DATE: GEOLOGIST:	BER:	SB11 27-Mar-97 D. Parker				
DRIL	LING F	iiG:						DRILLER:						
	S1	5 1 100		1.46 - 1	0.110	MATE	RIAL DESCRIPT	TION			0	VA Resc	ling (pp	ım)
Sample No. and Type or RQD	Depth (Ft.) or Rum No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Cl	essification	U S C S •	Remarks	UNFILTERED	FILTERED		
1-HA	1					medium brown	silty, fine-grained	SAND			0	NA		
2-HA	2					red brown	medium-grained S	SAND			0	NA		
					-									
				l									\dashv	
				-										
				_										_
				-									\dashv	
				-			٨						_	
		$\overline{}$		-						***************************************				
														_
			4	-										\dashv
			$ \langle $	-							\vdash			
			4	-										
		$\overline{}$	4	-										_
When roc	k coring, e	iter rock bro	okeness.											
* Include it Remar	nonitor rea	ting in 6 foo	ot intervals (elevated response is read.	P		Drill Backgrour	ing A nd (pp	rea om):[
Conve	rted to	Well?			(No		Well I.). #: _.					

Page	1	of	1

PROJECT NAME:				NAS Pensacola BORING NUMBER: SB11										
PROJECT NUMBER:			0401			DATE:	27-Mar-97							
DRILLING COMPANY: DRILLING RIG:					GEOLOGIST: D. Parker									
DRIL	LING F	RIG:		***************************************			DRILLER:							
							RIAL DESCRIPTION			OVA Reading (ppm)				
Sample No. and	Depth (FL) or	Blows/ 6" or ROD	Rcovery/	Lithology Change	Soil Density/ Consistency			U		l e				
Type or RQD	Run No.	(%)	Sample Length	(Depth/FL) or Screened	or Rock Hardness	Color	Material Classification	C	Remarks	TER I	FILTERED			
1				Level				S		UNFILTERED	필			
	-					medium		╀		<u> </u>				
1-HA	11					brown	silty, fine-grained SAND	<u> </u>		0	NA			
2-HA	2					red brown	medium-grained SAND			0	NA			
								-						
			-											
				Ì				-						
								<u> </u>				-		
				Ĺ										
				[
				l			***************************************							
				ŀ										
		\leftarrow	\leftarrow	-				-				-		
		/		-										
										i				
			$\overline{}$	Γ										
				<u> </u>										
				ŀ				_				-		
		\longrightarrow	$\langle \cdot \rangle$									\dashv		
				L										
			/	Γ										
		nter rock bro		@ borehole in	ocrease reading	a frequency if	elevated response is read.		<u> </u>	<u> </u>	<u>1</u>			
				II		quartey #			Drilli					
Remar	ks: _								Backgroun	ıd (bi	om):[
	-													
Converted to Well? No Well I.D. #:														

PRO. DRILI	JECT N JECT N LING C LING R	IUMBE OMPA		NAS Pensacola BORING NUMBER: SB11 0401 DATE: 27-Mar-97 GEOLOGIST: D. Parker DRILLER: DRILLER:									
						MATE	RIAL DESCRIPTION			0	VA Read	ling (pp	m)
Sample No. and Type or RQD	Depth (FL) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	U S C S *	Remarks	UNFILTERED	FILTERED		
1-HA	1					medium brown	silty, fine-grained SAND			0	NA		
2-HA	2								REFUSAL				
								 					
					·			\vdash					
								 					
												\dashv	
				ŀ								\neg	
				ļ									
				ŀ									
				ŀ									
				·								_	
				ŀ								\neg	
				ŀ									
	 			-									
				ŀ									
				ŀ									
				ľ								一	
				ľ								コ	
							4		1.000				
				ľ									
			$\overline{}$	-								\exists	
				ľ									
		li ng in 6 foo	ot intervals (ncrease readin		elevated response is read.		Drill Backgrour	ing A nd (pp			
Conve	converted to Well? No Well I.D. #:												

Converted to Well?

PROJECT NAME:				NAS Per	nsacola		BORING NUM	BER:							
		NUMBE		0401			DATE:		27-Mar-97						
		COMPA	NY:	GEOLOGIST: D. Parker											
DRILI	ING F	RIG:				<u> </u>	DRILLER:								
Sample	Depth	Blows/6" Sample Lithology Soil Density/								OVA Reading (ppm)					
No. and Type or RQD	(FL) or Run No.	or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Consistency or Rock Hardness	Color	Material Classification	U S C S +	Remarks	UNFILTERED	FILTERED				
1-HA	1					medium brown	silty, fine-grained SAND			0	NA	_			
2-HA	2					medium brown	silty, fine-grained SAND				>1K				
							·	ļ							
								ļ		-					
								├		 					
\vdash						-	· · · · · · · · · · · · · · · · · · ·	\vdash							
				-											
				İ											
				ľ											
				Ī											
				Ĺ									_		
				-									_		
		$\overline{}$	$\overline{}$	F								\dashv	\dashv		
			$\overline{}$	}									\dashv		
·			$\overline{}$	}											
				F						\Box					
				-								\dashv	\dashv		
	<u>-</u>			F									\dashv		
	nonitor rea	nter rock br ding in 6 foo		@ borehole. Ir	ecrease reading	g frequency if	elevated response is read.		Drill Backgroui	ling A					
Converted to Well? No Well I.D. #:															

PROJECT NAME:				NAS Per	NAS Pensacola BORING NUMBER: SB15											
PROJECT NUMBER:			0401 DATE:					27-Mar-97								
DRILI	LING (COMPA	ANY:	GEOLOGIST:					D. Parker							
DRIL	LING F	RIG:		DRILLER:												
							ERIAL DESCRIPTION			0	VA Rea	ding (pr	om)			
Sample No. and	Depth (FL) or	Blows/6" or ROD		Lithology Change	Soil Density/ Consistency			U		و						
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Calor	Material Classification	S	Remarks	UNFILTERED	FILTERED					
				Level				s		N H	FILT					
			ļ.,					*		_						
1-HA	1					red brown	silty, medium-grained SAND			0	NA					
2-HA	2					medium brown	silty, fine-grained SAND			0	NA					
					-											
								1								
H								+		+						
			-					-		+-	$\vdash\vdash\vdash$					
								┼								
								-								
			/_					-								
				Ī												
				ľ								一				
				ŀ									\neg			
				ŀ			·			+-1		\dashv				
				ŀ				+		+		_	\dashv			
\vdash			$\overline{}$	ŀ						+		-	\dashv			
			\leftarrow	-						+-		\dashv	_			
\vdash			4	-												
		$\langle \rangle$		-						1		_				
* IAhar ==	k m====															
" When rock " Include in				@ borehole. Ir	rcrease readin	g frequency if	elevated response is read.		F511	li=- ^						
Remar	ks:								וחט Backgrou	ling A nd (pr						
	-									11 F	٠. L					
Conve	Converted to Well? No Well I.D. #:															

Page	1	of	1
-5-	-	•	-

PRO	JECT 1	NAME:		NAS Per	nsacola		BORING NUMI	BER:	SB16				
		NUMBE		0401			DATE:		27-Mar-97				
		COMPA	NY:				GEOLOGIST:		D. Parker				
DRIL	LING F	KIG:					DRILLER:				·		
							RIAL DESCRIPTION			0	VA Resc	ling (pp	m)
Sample No. and	Depth (FL) or	Blows/ 6" or ROD	Rcovery/	Lithology Change	Soil Density/ Consistency			U			ا ۱		
Type or RQD	Run No.	(%)	Sample Length	(DeptivFt.) or Screened	or Rock Hardness	Color	Material Classification	C	Remarks	UNFILTERED	FILTERED		
	ŀ			Level				S		IN S	E		
	<u> </u>					red		╫		-			
1-HA	1		\leftarrow			brown medium	silty, medium-grained SAND	┼		0	NA		
2-HA	2					brown	silty, fine-grained SAND	<u> </u>		0	NA		
								T		 			
					-			+					
			-					 					
			-	}				-		-		-	
			$\langle \cdot \rangle$					<u> </u>					
		/											
				ſ									
												7	
				ŀ							-	\dashv	\dashv
		$\overline{}$	$\overline{}$	-				-				┯┼	-
		\longrightarrow	$\prec \downarrow$					-				\dashv	
				-								_	
				L									
				L									
				r									ヿ
		nter rock bro ding in 6 fox		@ borehole. In	crease reading	frequency if	elevated response is read.	<u> </u>				L	
				→ ·· ··········		, , "	•		Dril	ling A	rea _		
Remar	ks:								Backgrou	nd (pp	om):[
	-												
Conve	rted to	Well?			(No	Well I.I	D. #:					

PROJ	IECT N	NAME: NUMBE COMPA RIG:		NAS Per 0401	nsacola			BORING NUME DATE: GEOLOGIST: DRILLER:		SB17 27-Mar-97 D. Parker				
				T T		MATE	RIAL DESCRIPT	TION			0	VA Read	lina (na	·m)
Semple No. and Type or RQD	Depth (Ft.) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness		Material Cla		∪ <i>თ</i> ∪ <i>თ</i> •	Remarks	UNFILTERED	FILTERED		
1-HA	1					medium brown	silty, fine-grained	SAND			90	25		
2 - HA	2					medium brown	silty, fine-grained	SAND			55	0		
			\angle											
		$\langle \rangle$	$\langle \cdot \rangle$										_	-
													\dashv	
				Ĺ										
			$\langle $	-										-
\dashv				-										\dashv
				-										
		$\overline{}$	\overline{A}	ŀ									\dashv	
	-			<u> </u>						***************************************		\dashv	\dashv	\dashv
				-										
When rod * Indude m Remar	onitor rea	nter rock bro	okeness. et intervals (@ borehole. In	crease reading	frequency if	elevated response is read.			Drilli Backgrour	ing Ai	rea om):[

Converted to Well?

Well I.D. #: _____

PRO.	PROJECT NAME: PROJECT NUMBER: DRILLING COMPANY DRILLING RIG:			NAS Per	nsacola		BORING NUM	BER:	SB18				
				0401			DATE:		27-Mar-97				
			NY:				GEOLOGIST:		D. Parker				
DRILI	LING F	RIG:					DRILLER:						
							RIAL DESCRIPTION			0	VA Read	ding (pp	om)
Sample No. and	Depth (Ft.) or	Blows/6" or ROD	Sample Rcovery/	Lithalogy Change	Soil Density/ Consistency			U					
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Color	Material Classification	S	Remarks	I BE	FILTERED		
			20.19.1	Level	7		(V.2.0.)	s		UNFILTERED	틸		
								<u> •</u>		<u> </u>			
1-HA	1					medium brown	silty, fine-grained SAND			0	NA		
2-HA	2								REFUSAL				
								 		 			
-						-							
				ľ				+					
				ŀ									
			$\overline{}$										
				-				-					
		$\langle \cdot \rangle$	-	-				-					
			$\langle \cdot \rangle$	-				-					
			$ \langle $										
				1									
					. 1								
			$\overline{}$										
				Ī					, , ,				
				ŀ				1					
			\leftarrow	ŀ				+			-		
		\longrightarrow	-	-									
			$\langle \rangle$					-					
		nter rock br ding in 6 fo		@ borehole, k	ncrease reading	g frequency if	elevated response is read.						
Remar	rke.								Drill Backgroui	ing A			——
rvemal	NO.								. Dackgroui	יים (מן	ا.۱۱۱۰		
_	-		7.2		_								
Conve	rted to	Well?			((No)	Well I	.D. #;					

PRO.	IECT N	IAME:		NAS Per	nsacola			BORING NUMB	ER:	SB19				
PRO.	IECT N	IUMBE	R:	0401				DATE:		27-Mar-97				
		OMPA	NY:					GEOLOGIST:		D. Parker				
DRILI	LING F	RIG:						DRILLER:		***************************************				
							RIAL DESCRIP	ΓΙΟΝ			O	VA Read	ing (pp	m)
Sample No. and	Depth (Ft.) or	Blows/6" or ROD	Sample Roovery/	Lithology Change	Soil Density/ Consistency				U		9			
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Color	Material CI	assification	S C	Remarks	TER	FILTERED		
			941,641	Level					S		UNFILTERED	듄		
									•		1_	-		
1-HA	1				,	medium brown	silty, fine-grained	SAND			0	NA		
2-HA	2					medium brown	silty, fine-grained	SAND			0	NA		
											†			
										·	+			
			-						······································		-	\longrightarrow		
				·										
														l
				ŀ	····						 			
		$\overline{}$	\leftarrow	ŀ							-			_
		\longrightarrow	-	-							_	\vdash		
		$\langle \cdot \rangle$		ļ							 			-
				ļ										
													1	
				Ī						·				
				ľ										
				ľ										\neg
				ŀ			·				-			-
			$\overline{}$	}							┼			-
		\longrightarrow	4	-							-	┝		
				ļ							<u> </u>	\sqcup		
		nter rock bro ding in 6 foo		@ borehole, la	ncrease readin	g frequency if	elevated response is read.							
Remar	te.									Dril Backgrou	ling A	rea		 1
, venital	√ 3.								•••	Backylou	na (b	hin)·[
	_					_								
Conve	rted to	Well?			((N ₀)		Well I.D). #:					

	JECT N		_	NAS Per	nsacola		BORING NUM	IBER:			7		
		IUMBE		0401			DATE:		27-Маг-97				
		OMPA	NY:				GEOLOGIST:		D. Parker				
DKILI	LING F	IIG:					DRILLER:						
Sample	Depth	Blows/6"	Sample	Lithology	Soil Density/	MATE	RIAL DESCRIPTION			0	/A Read	ling (pp	m)
No. and Type or RQD	(FL) or Run No.	or ROD (%)	Ricovery/ Sample Length	Change (Depth/FL) or Screened Level	Consistency or Rock	Color	Material Classification	0 8 0 8 •	Remarks	UNFILTERED	FILTERED		
1-HA	1					medium brown	silty, fine-grained SAND			20	0		
2-HA	2					medium brown	silty, fine-grained SAND			45	0		
			\angle										
										-			
·			$\overline{}$									\dashv	
								1					
				ŀ								_	
				ļ				-				_	
			$\overline{}$,									
		$\overline{}$						-					
		\nearrow											
				•									
								<u> </u>					
Man m-	k engine a	iter rock bro	al anges										
	nonitor ree	ling in 8 foo	ot intervals	_			elevated response is read.		Dril Backgrou	ling A nd (pr			
	_										.,		
Conve	rted to	Well?			(No	Well I	l.D. #:					

	JECT N		-D.	NAS Per	nsacola		BORING NUM	BER:					
		IUMBE OMPA		0401			DATE: GEOLOGIST:		27-Mar-97 D. Parker				
	LING F		AIN I.		······································		DRILLER:		D. Parker				
	, , ,		,		,								
Sample	Depth	Biows/6"	Sample	Lithology	Soil Density/		ERIAL DESCRIPTION	┨		-0	VA Read	ling (ppr	n)
No. and Type or RQD	(FL) or Run No.	or ROD (%)	Rcovery/ Sample Length	Change (Depth/Ft.) or Screened Level	Consistency or Rock		Material Classification	S C S	Remarks	UNFILTERED	FILTERED		
<u> </u>								<u> </u>		 			
1-HA	1					medium brown	silty, fine-grained SAND			0	NA		
2-HA	2					medium brown	silty, fine-grained SAND			0	NA		
								ļ				_	_
								╂					\dashv
										-			
												_	\dashv
										1		\dashv	\dashv
	-					·						\exists	7
						-						\dashv	
			$\langle \cdot \rangle$					-				_	
			$\overline{}$					-		+			
										-			
												\dashv	\neg
,								<u> </u>					_
			4	-				-					_
			4	ļ				╂		+			-
				ŀ				+-		+		\dashv	\dashv
								-				\dashv	\dashv
		nter rock br ding in 5 fo		@ borehole, l	ncrease readin	ng frequency i	elevated response is read.	<u></u>	L	_l		1_	
Remai	tks: _								Dri Backgrou -	lling A ınd (p	rea pm):[
Conve	rted to	Well?			(No	Well I.	.D. #:					

PRO	JECT N	IAME:		NAS Per	nsacola			BORING NUMB	ER:	SB22				
PRO.	JECT N	IUMBE	R:	0401				DATE:		27-Mar-97	***************************************	***************************************		
		OMPA	NY:					GEOLOGIST:		D. Parker				
DRIL	LING F	RIG:				-1-771		DRILLER:						
							RIAL DESCRIP	TION			0	VA Read	ting (pp	om)
Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Cl	assification	U 8 C 8 *	Remarks	UNFILTERED	FILTERED		
1-HA	1					medium brown	silty, fine-grained	SAND			0	NA		
2-HA	2					medium brown	silty, fine-grained	SAND			0	NA		
		\angle												
											<u> </u>			
											ļ			
											-			
				ŀ										
				ŀ										
				ŀ										
				Ī										
,														
				-										
				-										
		$\langle \rangle$					-							
When roo	k corina. e	nter rock br	okeness.											
≖indude i Remai	nonitor rea	ding in 6 foo	ot intervals				elevated response is read.			Drill Backgroui	ing A nd (p)	rea om):[
Conve	rted to	Well?			(No		Well I.	D. #:					

age	1	of	1	
490		٠,		

PRO. DRILI	JECT N	NAME: NUMBE COMPA RIG:		NAS Per 0401	nsacola		BORING DATE: GEOLOG DRILLER		SB23 27-Mar-97 D. Parker				
Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Roovery/ Sample Length	Lithology Change (Dapth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness	MATE	RIAL DESCRIPTION Material Classification	U S C S ·	Remarks	UNFILTERED	FILTERED AV	ing (pp	m)
1-HA	1					medium brown	silty, fine-grained SAND			0	NA		
2-HA	2					medium brown	silty, fine-grained SAND				>1K		
							Siloy, Into Branco Siloy,						
												\neg	
				-									
				1									
										-		_	
			$\langle $	-						-	_	_	_
			$\langle $								_		_
		$\langle \cdot \rangle$		-						41	_	_	
		$\langle \cdot \rangle$	$\overline{}$	-						+	\dashv	\dashv	\dashv
				-								-	_
			$\langle \cdot \rangle$								_	\dashv	
		$\overline{}$	$\overline{}$								\dashv	\dashv	\dashv
_				-						-		\dashv	-
		$\overline{}$	$\overline{}$	ŀ							\dashv	\dashv	
		nter rock br											
Remar							elevated response is read.		Dri Backgrou	illing Ai und (pp	rea om):		
Conve	rted to	Well?			(No	1	Well I.D. #:					

PROJ	ECT I	NAME:		NAS Per	nsacola		BORING N	NUMBER:	SB24				
		NUMBE		0401			DATE:		27-Mar-97				
		OMPA	NY:				GEOLOGI		D. Parker				
DRILL	.ING F	RIG:					DRILLER:						
						MATE	RIAL DESCRIPTION			0	VA Read	ding (pp	om)
Sample No. and	Depth (Ft.) or	Blows/6" or ROD	Rcovery/	Lithology Change (Dapth/Ft.)	Soil Density/ Consistency or Rock			U		<u>Q</u>	Ω		
Type or RQD	Run No.	(%)	Sample Length	or Screened		Color	Material Classification	C	Remarks	UNFILTERED	FILTERED		
				Level				S		3	=		
1-HA	1					medium brown	silty, fine-grained SAND			0	NA		
2-HA	2					medium brown	silty, fine-grained SAND			0	NA		
							omy, thre gradies 2, it is			Ť	1.7.		
\vdash										├			
			-							 	\vdash		
										_	\vdash		
\vdash										-	\vdash		
											\vdash		
										_			
				ŀ									
				-									
				ŀ				_				\dashv	
				}									
				-									
				ŀ									
				,									
									·				
* When roci				@ borehole. Ir	crease readin	g frequency if	elevated response is read.						
Remar	ke:								Drill Backgroui	ing A	rea		 1
(/CIIIdii	n.3,								- Backgroui	, (P	ا ۱۰۰۰		
Conver	+od +c	Malia				Alc.	1.4.1	1011 D #-					
Conve	ובט נט	AAGII			(N _O	V	ven I.U. #.					

PRO.		NUMBE		NAS Per 0401	nsacola		BORING NUMI	BER:	27-Mar-97				
	LING C LING F	OMPA RIG:	ANY:	·····			GEOLOGIST: DRILLER:		D. Parker				
						MATE	ERIAL DESCRIPTION	1		0	VA Reac	ling (pp	m)
Sample No. and Type or RQD		Blows/6" or ROD (%)	Semple Rcovery/ Sample Length	Lithology Change (Depth/FL) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	U S C S •	Remarks	UNFILTERED	FILTERED		
1-HA	1					medium brown	silty, fine-grained SAND			0	NA		
2-HA	2					medium brown	silty, fine-grained SAND			0	NA		
							**************************************					_	
				-									
			$\overline{}$		·								
			\leftarrow	ŀ									

			$\overline{}$										
			$\overline{}$	}				\vdash			\vdash		
			$\overline{}$	ŀ									
- 				f									
			$\overline{}$	ŀ									
				ŀ									
				ŀ								\dashv	
	nonitor rea	nter rock br ding in 6 fo		@ borehole, i	ncrease readin	g frequency if	elevated response is read.		Drill Backgroui	ing A	rea pm):[
Conve	rted to	Well?			(No	Well 1.	D. #:					

Well I.D. #:

BORING LOG

		NAME: NUMBE	:R·	NAS Per 0401	nsacola		BORING NUM	IBER;	SB26 27-Mar-97				
		OMPA		0401			GEOLOGIST:		D. Parker		····		
	ING F						DRILLER:		D. I dikei				
		·	~		,								
S	Da-11	Blasse (C)		1 24-1	Call Danak i	MATI	ERIAL DESCRIPTION	_		0	VA Rea	ding (p	pm)
Sample No. and Type or RQD	Depth (FL) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/FL) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	U S C S +	Remarks	UNFILTERED	FILTEREO		
1-HA	1					medium brown	silty, fine-grained SAND			>1K	0		
2-HA	2					medium brown	silty, fine-grained SAND			>1K	0		
	-												
													-
								+					
							4.5						
			4										
			$\overline{}$	ŀ									
				ŀ									
							and the second s		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
				_									
			$\langle $	ļ					•				
		$\overline{}$		ŀ									
		$\overline{}$		L				+					
				ŀ							\dashv		
				F									
When roc	k coring, ea nonitor res	nter rock bro ding in 6 foo	okeness. ot intervals	@ borehole. Ir	ncrease reedin	g frequency il	elevated response is read.		Drill	ing Ar	rea		
Remar	ks: _			,					Backgrour	ıd (pp	vm):[
	-											-	

PROJECT NAME: PROJECT NUMBER: DRILLING COMPANY: DRILLING RIG:				NAS Per 0401	nsacola		BORING NUMI DATE:	BER:	27-Mar-97				
			NY:				GEOLOGIST: DRILLER:		D. Parker		· · · · · · · · · · · · · · · · · · ·		
		1	i .		1	ΜΔΤ	ERIAL DESCRIPTION	т—					
Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	បនcs・	Remarks	UNFILTERED	FILTERED A	ING (PE))
1-HA	1					medium brown	silty, fine-grained SAND			0	NA		
2-HA	2					medium brown	silty, fine-grained SAND			0	NA		
							·						
												\perp	
							* 1						
				-								\dashv	
				-								\dashv	
			4									_	_
												_	
-				-							-	4	
_		\longrightarrow	$\overline{}$										
		$\overline{}$	4	-						\square		\dashv	
_		\longrightarrow		·							_	_	_
		$\overline{}$	$\langle \cdot \rangle$							\square		\dashv	_
When rock	k coring, e	nter rock bro	okeness.							Ш			
Include in Remai					ncrease reading		slevated response is read.		Drill Backgroui	ing Ai nd (pp			
Conver	ted to	Weil?			(No	Well I.I	D. #:					

PRO.	JECT N	NAME:		NAS Per	nsacola			BORING NUME	BER:	SB28				
		NUMBE		0401				DATE:		27-Mar-97				
		OMPA	NY:					GEOLOGIST:		D. Parker				
DRILI	LING F	RIG:						DRILLER:						
							RIAL DESCRIP	TION	Γ		0	VA Rea	ling (pp	m)
Sample No. and	Depth (Ft) or	Blows/6" or ROD	Sample Rcovery/	Lithology Change	Soil Density/ Consistency				U		e			
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Color	Material C	lassification	S	Remarks	UNFILTERED	FILTERED		
				Level					S		NS N	된		
						medium								
1-HA	1	/_	/_			ptown	silty, fine-grained	SAND			0	NA		
2-HA	2					medium brown	silty, fine-grained	SAND			0	NA		
			-											
				ŀ										
			\leftarrow	1										
				ľ										
				ŀ										
			\leftarrow											
		$\langle \cdot \rangle$		ļ										
·														
				ſ										
				ŀ										
				ŀ										
	<u>}</u>	\longrightarrow											_	
		$ \angle \downarrow $												_
* When roo				@ borehole. Ir	ncrease readin	g frequency if	elevated response is read.							
5											ing A			 ,
Remar	KS:									Backgrour	ıa (pț	om):[
	-									· · · · · · · · · · · · · · · · · · ·	-			
Conve	onverted to Well? No Well I.D. #:													

	PROJECT NAME: PROJECT NUMBER: DRILLING COMPANY:			NAS Per	nsacola		BORING NUM	BER:			·		
				0401			DATE:		27-Mar-97				
			NY:				GEOLOGIST:		D. Parker				
DRIL	LING F	RIG:					DRILLER;						
							RIAL DESCRIPTION			0	VA Read	ling (pp	om)
Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness		Material Classification	S C S	Remarks	UNFILTERED	FILTERED		
1-HA	1					medium brown	silty, fine-grained SAND			0	NA		
2-HA	2					medium brown	silty, fine-grained SAND			0	NA		
									·				
			/,										
								╀					
								-					
								╁┈					
								+					
								<u> </u>					
								-					
								╂				-	
							**************************************	╁				-	
·								-					
				ŀ				 				ᅱ	
												\dashv	
	ŀ												
		nter rock bi ding in 6 fo		@ borehale. I	ncrease readin	ng frequency is	f elevated response is read.						
Remai	rks:								Drili Backgrour	ing A nd (p _i			
Conve	rted to	Well?			(No) Well I.	.D. #:					

PRO	JECT N	IAME:		NAS Per	nsacola		BORING NUM	MBER:	SB30				
PRO.	IECT N	IUMBE	R:	0401			DATE:		27-Mar-97				
		OMPA	NY:				GEOLOGIST:		D. Parker				
DRILI	LING F	liG:					DRILLER:						
Sample	Depth	Blows/ 6"	Sample	Lithology	Soil Density/	MATE	ERIAL DESCRIPTION	—		0	VA Read	ling (pp	m)
No. and Type or RQD	(FL) or Rum No.	or ROD (%)	Rcovery/ Sample Length	Change (Depth/Ft.) or Screened Level	Consistency or Rock Hardness	Color	Material Classification	0 8 0 8 •	Remarks	UNFILTERED	FILTERED		
1-HA	1					medium brown	silty, fine-grained SAND			0	NA		
2-HA	2					medium brown	silty, fine-grained SAND			0	NA		
			\angle										
			\angle										
										-			
								-		-			
			\leftarrow							\vdash			
			$\overline{}$										\dashv
				ŀ									
				Ì									
				Ì									
				Ī									
				1									_
			$ \langle $										
When roo	k corina. e	nter rock br	okeness.										
"Include r Remar	nonitor rea	ding in 6 foo	ot intervals				elevated response is read.		Drill Backgrou	ling A nd (pr	rea om):[
Conve													

2000	1	οf	1
rage	J	U	

PRO.	ECT I	NAME:		NAS Per	nsacola		BORING NUM	BER:	SB31				
PRO.	IECT N	NUMBE	R:	0401			DATE:		08-Apr-97			-	
DRILI	ING C	COMPA	ANY:				GEOLOGIST:		D. Parker				
DRILL	ING F	RIG:			***************************************		DRILLER:				<i></i>		
			1			MATE	ERIAL DESCRIPTION	T		0	VA Read	ling (pr	pm)
Sample No. and	Depth (Ft.) or	Blows/ 6" or ROD	Sample Rcovery/	Lithology Change	Soil Density/ Consistency			U					Ι
Type or	Run No.	(%)	Sample	(Depth/Ft)	or Rock		11. 110. 15.11	S		UNFILTERED	1 2		
RQD			Length	or Screened Level	Hardness	Color	Material Classification	C	Remarks	1 =	FILTERED		
								:		3	"		
1 774	1					dark	ile. Guanaire I CAND	1			77.		
1-HA	1		\vdash			brown dark	silty, fine-grained SAND	+		0	NA		-
2-HA	2					brown	silty, fine-grained SAND			0	NA		
						<u> </u>		\vdash					
					***************************************			-		├	\vdash		
										<u> </u>			
								T		 	\vdash		
								 		 			
								 			┝━┼		
				Ì			Masson						
 		\leftarrow	\leftarrow	ŀ				-		-	\vdash		
			\angle	l									
		/											
				Ī									
				ŀ				-		-		_	
		$\langle \cdot \rangle$	/	-				-			 		
				[
				Ī									
 				ŀ				1				\dashv	
		$-\downarrow$						-			┝╼┽	_	
											IT		
\vdash				ŀ								\neg	\vdash
\vdash		\prec						ļ		 			
				Γ									
*When roc								-L		<u></u>	<u></u>	1	
** Include n	nonitor rea	ding in 6 fo	ol intervals	@ borehole. II	ncrease reedin	g frequency if	elevated response is read.		Drill	ing A	rea		
Remar	ks:								Backgrour				
	•								,		, L		
	-												
Conve	Converted to Well? No Well I.D. #:												

PROJECT NAME: PROJECT NUMBER: DRILLING COMPANY: DRILLING RIG:				NAS Per 0401	nsacola			BORING NUMB	ER:	SB32 08-Apr-97				·
			NY:					GEOLOGIST:		D. Parker				
DRILL	ING F	(IG:						DRILLER:						
Sample	Depth	Blows/ 6"	Sample	Lithology	Soil Density/		RIAL DESCRIP	TION			0\	/A Read	ing (ppi	m)
No. and Type or RQD	(FL) or Run No.	or ROD (%)	Rcovery/ Sample Length	Change (Depth/Ft.) or Screened Level	Consistency or Rock	Color	Material C	assification	0000	Remarks	UNFILTERED	FILTERED		
1-HA	1					dark brown	silty, fine-grained	SAND		w/ humus-organics	25	15		
2-HA	2					dark brown	silty, fine-grained	SAND		w/ red clay	10	5		
								-				\dashv		
												\dashv		
			\angle											
			$\langle \cdot \rangle$											_
				ŀ										
			$ \langle $	ŀ					·					
			$\overline{}$	}								_	\dashv	
			$\langle \cdot \rangle$									_	\dashv	\dashv
													1	_
		$\overline{}$	$\overline{}$	-									-	_
\dashv			=	}									+	\dashv
			\triangleleft	-								_	_	
When roc	k coring, a	iter rock bro	okeness.	@ borehole. tr	ncrease reading	r frequency if	elevated response is read.							
Remar										Drill Backgrour	ing Ai id (pp	rea om):[
Convei	- rted to	Well?			(No		Well I.D). #:					

² age	1	of	1	
	-		_	

PRO	JECT N	IAME:		NAS Per	nsacola		BORING NUM	BER:	SB33				
PRO	JECT N	UMBE	R:	0401			DATE:		08-Apr-97			-	
DRIL	LING C	OMPA	NY:				GEOLOGIST:		D. Parker				
DRIL	LING F	RIG:					DRILLER:						
							ERIAL DESCRIPTION	J		C	VA Rea	qq) gnit	om)
Sample No. and	Depth (Ft.) or	Blows/6" or ROD	Sample Rcovery/		Soil Density/ Consistency			U		و			
Type or RQD	Run No.	(%)	Sample Length	(Depth/FL) or Screened	or Rock Hardness	Color	Material Classification	S	Remarks	UNFILTERED	FILTERED		
				Level				s	,	Ę	FILT		
			<u> </u>					•					
1-HA	1					dark brown	silty, fine-grained SAND		w/ red clay	0	NA		
2-HA	2					dark brown	silty, fine-grained SAND		w/ red clay	0	NA		
						·							
								<u> </u>					
* When roo ** Include r				@ borehole. li	ncrease readin	g frequency if	elevated response is read.		Del	llina ^			
Remar	ks:								Backgrou	lling A ınd (p	nea pm):[
	-								- 				
Conve	rted to	Well?			(No	Well I.	.D. #:					

PRO	JECT N	AME:		NAS Per	nsacola		BORING NUM	BER:	SB34				
PRO.	JECT N	IUMBE	R:	0401			DATE:		08-Apr-97				
		OMPA	NY:				GEOLOGIST:		D. Parker				
DRIL	ING F	NG:					DRILLER:						
							RIAL DESCRIPTION			0	VA Res	ding (pp	om)
Sample No. and	Depth (Ft.) or	Blows/6" or ROD	Sample Rcovery/	Lithology Change	Soil Density/ Consistency			U					
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Color	Material Classification	S	Remarks	TER	FILTERED		
				Level				S		UNFILTERED	FILT		
										-			
1-HA	l					dark brown	silty, fine-grained SAND	<u> </u>	w/ red clay	0	NA		
2-HA	2								REFUSAL				
							, , , , , , , , , , , , , , , , , , , ,	+					
								+-					
								-					
							***************************************	+-				_	
								-				\dashv	
			\leftarrow					-				-	
			/					┿					
				-									
				-									
				ľ									
				Ì									
				ľ								_	
				ļ				†				一十	
		$\overline{}$		ŀ			<u></u>	1				\dashv	\dashv
* When roc				@ horebole b	vrage madi-	o francisco	elevated response is read.						
			~t a vei A9t2	e wiener. F	~ adaa 1 44 (iii)	a adramy i	омте ло , 199 р л ют)\$ 1884.			ing A			
Remar	rks: _	-,							Backgroui	nd (pp	om):[
	-			,								············	
Conve	rted to	Well?			.D. #:								

PROJ DRILI	PROJECT NAME: PROJECT NUMBER: DRILLING COMPANY: DRILLING RIG: Sample Depth Blows/6" Sample				nsacola		BORING NUM DATE: GEOLOGIST: DRILLER:		SB35 08-Apr-97 D. Parker				
			1			MATE	RIAL DESCRIPTION			n	VA Res	lina (pr	om)
Sample No. and Type or RQD	Depth (Ft) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	0 % 0 % .	Remarks	UNFILTERED	FILTERED	ang (pr	Ally
1-HA	1					dark brown	silty, fine-grained SAND		w/ humus-organics	0	NA		
2-HA	2					red	CLAY w/ brown, silty, fine sand			0	NA		
								<u> </u>					
												,	
								ļ					
				Ĺ									
	onitor rea	nter rock bro	ot intervals (acrease reading		elevated response is read.		Drilli Backgroun	ng A			
Conver	ted to	Well?			(No	Well I.	D. #:					

Dane	1	of	1	
Page	1	OI.	1	

		NAME: NUMBE	R:	NAS Per 0401	nsacola		BORING NUM	BER:	SB36 08-Apr-97		·		
		OMPA	NY:				GEOLOGIST:		D. Parker				
DRILL	LING F	RIG:				· · · · · · · · · · · · · · · · · · ·	DRILLER:						
Sample	Depth	Blows/ 6"	Sample	Lithology	Soil Density/		RIAL DESCRIPTION	↓		°	VA Read	ding (pr	pm)
No. and Type or RQD	(FL) or Run No.	or ROD (%)	Rcovery/ Sample Length		Consistency or Rock		Material Classification	SCS	Remarks	UNFILTERED	FILTERED		٠
1-HA	1					dark brown	silty, fine-grained SAND		w/ humus-organics	0	NA		
2-HA	2					red	CLAY w/ brown, silty, fine sand			0	NA		
			\angle										
		\angle											<u> </u>
								_					<u> </u>
								_					
								<u> </u>					<u> </u>
								<u> </u>					_
								-					
			$\langle \cdot \rangle$					 					
				-									
			$\overline{}$	-				├					
								-					
			\leftarrow					-					
			$\overline{}$					-					
				ŀ				├─					
				f				-					
				-				 					
				ŀ				\vdash					
		nter rock br				_4		1					
Remar		oung in e to			ncrease readin		elevated response is read.		Drill Backgrour	ing A nd (pj			
Conve	- rted to	Well?			(No	Well I.	D. #:					

		NAME:		NAS Per	nsacola		BORING NUM	/BER:	SB37				
		NUMBE		0401			DATE:		08-Apr-97				
		OMPA	NY:				GEOLOGIST:		D. Parker		-		
DRIL	LING F	RIG:					DRILLER:		****				
		D. 100			0.10		RIAL DESCRIPTION			0	VA Read	ding (pp	XTT)
Sample No. and Type or RQD	Depth (FL) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness		Material Classification	U S C S ·	Remarks	UNFILTERED	FILTERED		
1-HA	1					dark brown	silty, fine-grained SAND		w/ humus-organics	0	NA		
2-HA	2					dark brown	silty, fine-grained SAND		w/ humus-organics	0	NA		
				·									

				}									
			$\langle \cdot \rangle$										
				ŀ				-				\dashv	
				•								7	
,													
		$\overline{}$	$\langle \cdot \rangle$	-									
			$\overline{}$									\dashv	
				ŀ				+			H		\dashv
		nter rock br ding in 6 fo		@ borehole. Ir	ncrease readin	g frequency if	elevated response is read,				Ll		
Remar	ks:					· · · · · · · · · · · · · · · · · · ·			Drill Backgrour	ing A nd (p _l	.rea pm):[
Conve	rted to	Well?			(No	Well	1.D. #:					

		NAME:		NAS Per	nsacola		BORING NUM	IBER:	SB38				
		NUMBE		0401			DATE:		08-Apr-97				
		COMPA	NY:				GEOLOGIST:		D. Parker				
DRIL	ING F	RIG:					DRILLER:						
							RIAL DESCRIPTION			0	VA Read	ling (pp	om)
Sample No. and	Depth (Ft.) or	Blows/6" or ROD	Sample Roovery/	Lithology Change	Soil Density/ Consistency			U		۵			
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Color	Material Classification	S	Remarks	H H	FILTERED		
			20/10/20	Level				s		UNFILTERED	FICT		
				<u> </u>				<u> </u>		<u> </u>			
1-HA	1					red	CLAY w/ brown, silty, fine sand			0	NA		
2-HA	2					dark brown	silty, fine-grained SAND		w/ humus-organics	0	NA		
									,				
								+					
\vdash													
								+					
								-					
			\angle										
				Ī									
				Ī									
				ļ									
				ŀ				+					
\vdash	-		\leftarrow	-				-					
\vdash		\longrightarrow	\leftarrow										
		$\langle \cdot \rangle$	$\langle \cdot \rangle$	-								-	
						11772							
			$\overline{}$	ſ									
	ĺ			ľ									
* When roc				@ borehole. Ir	rcrease readin	g frequency if	elevated response is read.		<u> </u>			i	
		J 2 121				- 1·····**				ing A			·,
Remar	KS:								Backgrour	ıa (bi	pm):[
	-											-	
Converted to Well? No Well I.D. #:													

		NAME:		NAS Per	nsacola		BORING NUMB	3ER:					
		NUMBE		0401			DATE:		08-Apr-97				
		COMPA	ANY:		4		GEOLOGIST:		D. Parker				
DRIL	LING F	RIG:		************			DRILLER:						
Şample	Depth	Blows/ 6"	Si-	1 141 - 1	6-30		ERIAL DESCRIPTION			°	VA Read	ding (pp	om)
No. and	(Ft.) or	or ROD	Rcovery/		Soil Density/ Consistency			U S		l a			
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Color	Material Classification	C	Remarks	T.ER	FILTERED		
				Level				s		UNFILTERED	=		
-						dark		<u> </u>		├	-		
1-HA	1					brown	silty, fine-grained SAND	<u> </u>	w/ humus-organics	0	NA		_
2-HA	2					red	CLAY w/ brown, silty, fine sand	_		0	NA	<u> </u>	
							·						
				•	Ÿ								
				ſ									
				ſ									
				ſ									
				Ī								一	\neg
				ľ									
				ľ									
* When rock ** Include rr				@ borehole. Ir	ncrease reading	g frequency if	elevated response is read.				<u> </u>	***************************************	
Reman	ke [.]								Drilli Backgrour	ing A			
. verrier	, 								Dackgroui	(pt	F		
Conver	ted to	/Meli?		-		No	Well I.I						
COLIVE	rea ro	4 A CII 1			(VVCII I.I	J. T.					

		NAME: NUMBE	R:	NAS Per 0401	nsacola		BORING NUI	MBER:	SB40 08-Apr-97				
	LING (LING F	OMPA RIG:	NY:				GEOLOGIST DRILLER:	:	D. Parker				
	ı —	1				MATE	ERIAL DESCRIPTION			Г.			
Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Semple Rcovery/ Semple Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	U S C S ·	Remarks	UNFILTERED	FILTERED YA	ding (pp	आ)
1-HA	1	/,	/,			red	CLAY w/ brown, silty, fine sand		w/ humus-organics	0	NA		
2-HA	2					dark brown	silty, fine-grained SAND		w/ humus-organics	0	NA		
		\angle	\angle										
			\angle										
			$\overline{}$										
								-					
Ì			$\langle $				MANUAL TANDON TO THE PROPERTY OF THE PROPERTY	_					
				ŀ									
				ŀ									
				-									
			4										
			$\overline{}$	ŀ									\dashv
				ŀ									
* When roo	k coring, e	nter rock br	okeness.										
**include r		ding in 6 fo	ot intervals	@ borehole, li	ncrease readin	g frequency if	elevated response is read.		Drilli Backgrour	ing A id (pj	rea pm):[
Conve	rted to	Well?			(No	Well	I.D. #:					

1	•	- 4	1	
^a ge	Ţ	of	1	

PROJ DRILI	IECT N	NAME: NUMBE COMPA RIG:		NAS Per 0401	nsacola			BORING NUMB DATE: GEOLOGIST: DRILLER:	IER:	SB41 08-Apr-97 D. Parker				
						MATE	RIAL DESCRIP	TION			0	VA Read	ding (pr	om)
Sample No. and Type or RQD	Depth (Ft) or Run No.	Blows/6" or ROD (%)	Sample Roovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material C	assification	⊃ 0 C 0 +	Remarks	UNFILTERED	FILTERED		
1-HA	1					dark brown	silty, fine-grained	SAND		w/ humus-organics	0	NA		
2-HA	2									REFUSAL				
											_			
													-	
										·				
		$\langle \cdot \rangle$												-
			$ \langle $										\dashv	
				ľ									\neg	一
				ľ									\neg	_
	T			-									一	一
				ŀ								\dashv	\dashv	\dashv
_				ŀ									\dashv	\dashv
When roc	k coring, e	nter rock br	okeness.						į				1	
* Include in Remar		ding in 8 foo			crease reading		elevated response is read.			Drilli Backgroun	ng A	rea om):[**********	
	-													

No)

Converted to Well?

Well I.D. #:

		NAME:		NAS Per	nsacola		BORING NUMI	BER:								
		NUMBE		0401			DATE:		08-Apr-97							
		OMPA	NY:				GEOLOGI\$T:		D. Parker							
DRILL	ING F	(IG:					DRILLER:									
01.						MATE	RIAL DESCRIPTION			0	VA Read	ling (pp	m)			
Sample No. and	Depth (FL) or	Blows/6" or ROD	Rcovery/	Lithology Change	Soil Density/ Consistency			U		8	۵					
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Color	Material Classification	C	Remarks	UNFICTERED	FILTERED					
				Level				S		N S	분					
						dark		<u> </u>		—						
1-HA	1		/			brown dark	silty, fine-grained SAND		w/ humus-organics	0	NA					
2-HA	2					brown	silty, fine-grained SAND	_	w/ humus-organics	5	0					
								T								
 																
								-					-			
								-				_				
			-													
								<u> </u>								
				ļ			······································									
				ľ												
				ľ												
				ŀ								$\neg \dagger$				
1				ŀ				-								
			\leftarrow	-									\dashv			
\vdash		\longrightarrow	4	-					·			_	\dashv			
		4						<u> </u>				_	_			
								<u> </u>								
* When roc				@ borehole. Ir	ncrease readin	g frequency if	elevated response is read.									
Remar	ke [.]								Drilli Backgrour	ing A						
CITE	NO								. Daungioui	(P)	L					
•		127						- ··								
Conve	rted to	Well?			(Converted to Well? No Well I.D. #:										

	IECT N			NAS Per	nsacola		BORING NUMI	3ER:	SB43				
		NUMBE		0401			DATE:		08-Apr-97				
		OMPA	NY:				GEOLOGIST:		D. Parker				
DRILI	.ING F	RIG:			·	······································	DRILLER:			·····			
						MATE	RIAL DESCRIPTION	T		0	VA Rea	dino (pi	om)
Sample No. and	Depth (FL) or	Blows/6" or ROD	Sample Roovery/	Lithology Change	Soil Density/ Consistency			U				1	
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Color	Material Classification	S	Remarks	UNFILTERED	FILTERED		
''				Level				S		I I			
								<u> </u>					
1-HA	1		/			dark brown	silty, fine-grained SAND		w/ humus-organics	0	NA		_
2-HA	2					dark brown	silty, fine-grained SAND		w/ humus-organics	0	NA		
													1
												ļ	
						:		-					-
													-
		$\langle \cdot \rangle$						-					-
			-					_					_
		\angle											
			\angle										
							٠						
				Ī									
				ŀ									
							·						
				ŀ			,						
 			$\overline{}$	}							\vdash		
		$\overline{}$		}							$\left \cdot \cdot \right $		
* When mo	k corina. e	nter rock br	okeness.										
				@ borehole. I	ncrease readin	g frequency if	elevated response is read.		Drill	ing A	rea		
Remar	ks:								Backgrour				
	-										h		
Conve	rted to	Well?			(No	Well I.I	D. #:					

	JECT N			NAS Per	nsacola		BORING NUM	BER:					
		UMBE		0401			DATE:		08-Арг-97				
		OMPA	NY:				GEOLOGIST:		D. Parker				-
DRIL	LING F	lig:					DRILLER:						
						MATE	ERIAL DESCRIPTION	T		0	VA Read	ding (p	pm)
Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/6" or ROD (%)	Sample Roovery/ Sample Length	Lithology Change (Depth/FL) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	N & C & •	Remarks	UNFILTERED	FILTERED		
I-HA	1					light brown	silty, fine-grained SAND			0	NA		
2-HA	2					light brown	silty, fine-grained SAND			0	NA		
										<u> </u>			
													-
										-			
				}						-			
			$\overline{}$	1						-			
				t									
				İ								\neg	
				ļ									
		$\langle \rangle$		Į.							_	\dashv	
				-								\dashv	_
		$\langle \cdot \rangle$	4							\vdash		_	\dashv
		$\langle \cdot \rangle$	4	}						\vdash		_	_
When ma	k 000000 0	nier rock bri	okanaca										
*Include in	nonitor rea	ling in 6 foo	ot intervals	@ borehole, li	ncrease readin	g frequency if	elevated response is read.		Dril Backgrou	ling A nd (pp	rea om):[

Well I.D. #:

		NAME:		NAS Pe	nsacola		BORING NUI	MBER:	Acres and the second se														
		NUMBE		0401			DATE:		08-Apr-97														
		COMPA	ANY:				GEOLOGIST	:	D. Parker														
DRIL	LING F	RIG:					DRILLER:																
							ERIAL DESCRIPTION			C	VA Reac	ling (p	pm)										
Sample No. and Type or RQD	Depth (FL) or Run No.	Biows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness		Material Classification	U S C S	Remarks	UNFILTERED	FILTERED												
1-HA	1					light brown	silty, fine-grained SAND			0	NA												
2-HA	2					beige	silty, fine-grained SAND			0	NA												
										ļ													
										-													
										-													
								-		+-													
				ł			- Annual Agency - Manager Manager, John and Williams, Annual Andrews - Piles and Alberta - Piles Piles																
				İ																			
				Ì																			
,				1				_															
												_											
											_	\dashv											
		$\langle \rangle$	$ \langle $									_	4										
				-							_	\dashv	\dashv										
*When roo	k coring, e	nter rock br	okeness.																				
** Include r		ding in 6 fo		_			elevated reaponee is read.		Dri Backgrou	lling A	rea om):[
Conve	rted to	Well?			(No	Well	I.D. #:															

		NAME:	·D.	NAS Per	nsacola			BORING NUMB	ER:					
		NUMBE		0401				DATE:		08-Apr-97				
	LING C	COMPA	MNY:		·			GEOLOGIST: DRILLER:		D. Parker				
			·											
Sample	Depth	Blows/6"	Sample	Lithology	Soil Density/	MATERIAL DESCRI		ION				VA Rea	ding (pr	pm)
No. and Type or RQD	(FL) or Run No.	or ROD (%)	Recovery/ Sample Length	Change (Depth/Ft.) or Screened Level	Consistency or Rock		Material Cla	ssification	U S C	Remarks	UNFILTERED	FILTERED		
				Love					S		3	. ₹		
1-HA	1					light brown	silty, fine-grained	SAND			0	NA		
2-HA	2					white	fine-grained SAN	D			0	NA		
				-									-	
			4											
				ŀ								\dashv		
			$\overline{}$	ŀ					_			\dashv	\dashv	
			$\overline{}$	ŀ								\dashv	\dashv	
				}								-	\dashv	-
			$\overline{\mathcal{A}}$	F								_	-	
				-								_	_	
				ŀ			<u> </u>					\dashv	\dashv	一
		\nearrow		ŀ							\dashv	\dashv	\dashv	\dashv
		nter rock bri ding in 6 for		@ borehole, k	ncrease reading	g frequency if	elevated response is read.				1			
Remarks: Drilling Area Background (ppm)														
Remarks:										- (PF	/·L			
Converted to Well? No Well I.D. #:														

age	1	of	1
_			

				NAS Pe	nsacola		BORING NUM	IBER:	SB47				
				0401			DATE:		08-Apr-97		- 		
							GEOLOGIST:		D. Parker				****
DRIL	LING F	RIG:			DRILLER:								
				MATERIAL DESCRIPTION								ding (pp	pm)
Semple No. and Type or RQD	Depth (Ft.) or Run No.	Biows/6* or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness	Calor	Material Classification	U S C S *	Remarks	UNFILTERED	FILTERED		
1-HA	l					light brown	fine-grained SAND			0	NA		
2-HA	2					light brown	fine-grained SAND			0	NA		
		/					·						
		\angle											
\vdash										\vdash			
				ŀ				+		\vdash			
				ŀ									

									***************************************	\Box			
												\neg	
									·				
										\sqcup			
												_	
* Mhan ma	t codea e												
** include n	nonitor rea	nter rock br ding in 6 fo	ot intervals	@ borehole. Ir	ncrease readin	g frequency if	elevated response is read.		Drill	ling A	rea		
Remar	ks: _								Backgrou	nd (pr):[
Conve	rted to	Well?			(No	Well I.	.D. #:					

PRO	JECT N	NAME:		NAS Per	nsacola		BORING NUMI	BER:	SB48					
		NUMBE		0401			DATE:	08-Apr-97						
		OMPA	NY:		GEOLOGIST: D. Parker DRILLER:									
	LING F	riG.					· · · · · · · · · · · · · · · · · · ·							
Comple	Dooth	Blows/ 6"	Sample	Lithology	Soil Density/	MATERIAL DESCRIPTION		<u> </u>		0	VA Read	ding (pp	m)	
Sample No. and Type or RQD	Depth (Ft.) or Run No.	or ROD (%)	Sample Rcovery/ Sample Length	Change (Depth/Ft.) or Screened Level	Consistency or Rock	Color	Material Classification	U S C S *	Remarks	UNFILTERED	FILTERED			
1-HA	1					red brown	fine-grained SAND			0	NA			
2-HA	2					light brown	silty, fine-grained SAND			0	NA			
								<u> </u>	 			_		
		$\overline{}$												
							<u></u>					_		
						·*								
		\angle												
			\angle											
			$\overline{}$										_	
												\dashv	-	
				ŀ								_		
				ļ										
				ļ		·····						-		
			$\langle $	-										
			$\overline{}$											
			$\overline{}$	-					<u> </u>					
				Ì										
			\angle	Ţ										
			4											
* When roo	k coring, e	nter rock br	okeness.											
** Include i	monitor rea	ding in 6 fo	ot intervals	@ borehole. II	ncrease readin	g frequency if	elevated response is read.			ing A				
Remai	rks: _			·	·				Backgrour	nd (p	pm):[
Converted to Well? No Well I.D. #:														

PROJ DRILI		IUMBE OMPA		NAS Per 0401	nsacola		BORING NUM DATE: GEOLOGIST: DRILLER:	BER:	SB49 08-Apr-97 D. Parker				
				T T	MATERIAL DESCRIPTION OVA Reading (ppm)								
Sample No. and Type or RQD	Depth (FL) or Run No.	Blows/ 6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/FL) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	U S C S ·	Remarks	UNFILTERED	FILTERED	ing (pp	m)
1-HA	1					light brown	silty, fine-grained SAND			0	NA		
2-HA	2					light brown	silty, fine-grained SAND			0	NA		
								-				-	
			\angle										
												\dashv	
			$\overline{}$										
												\dashv	
												\dashv	
			4									_	_
			\mathcal{A}	ŀ			***************************************	-				\dashv	\dashv
				ŀ								+	\neg
			\angle										
		$\langle $	4	-									_
		$\overline{}$	$\overline{}$									\dashv	
											+	\dashv	\dashv
1995													
	nonitor rea	iter rock bri ding in 6 foo		@ borehole. I	ncrease readin	g frequency if	elevated response is read.		Drill Backgrour	ing A nd (pp			

Converted to Well?

Well I.D. #:

Well I.D. #:

BORING LOG

PRO	JECT N	NAME:		NAS Pe	nsacola	ER: SB50									
PRO.	JECT N	NUMBE	R:	0401			D/	ATE:		08-Apr-97					
DRIL	LING (OMPA	NY:				GE	EOLOGIST:		D. Parker					
DRIL	LING F	RIG:			DRILLER:										
Г						MATE		0	VA Rea	ding (p	pm)				
Sample No. and Type or RQD	Depth (FL) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Class	ification	0 8 0 8 +	Remarks	UNFILTERED	FILTERED			
1-HA	1					light brown	silty, fine-grained SA	ND			0	NA			
2-HA	2					light brown	silty, fine-grained SA	ND			0	NA			
							-								
				,											
										·					
				-			***								
				ļ											
									_						
				-											
				-											
														<u> </u>	
				-											
									_						
W										·					
	nonitor rea		ot intervals (ncrease reading		elevated response is read.			Drill Backgroui	ling A nd (pj	rea om):[

age	1	of	1
•			

		NAME: NUMBE		NAS Per 0401	nsacola	·····	BORING NUME	BER:	SB51 08-Apr-97						
		COMPA		0401	***************************************		GEOLOGIST:		D. Parker						
	ING F		W T I .				DRILLER:		D. I di Kui						
Sample	Depth	Blows/ 6"	Sample	Lithology	Soil Density/		ERIAL DESCRIPTION	١		<u> </u>	VA Rea	ding (p	pm)		
No. and Type or RQD	(FL) or Run No.	or ROD (%)	Roovery/ Sample Length		Consistency or Rock	Color	Material Classification	U S C S •	Remarks	UNFILTERED	FILTERED				
1-HA	1					red brown	silty, fine-grained SAND			0	NA				
2-HA	2					red brown	silty, fine-grained SAND			0	NA				
			/_		·										
				ŀ											
				Ì					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
												\neg			
							·								
				L		·						_			
				-								\dashv			
			$ \langle $									_			
			$\langle \cdot \rangle$									\dashv			
		$\langle \cdot \rangle$	$\langle \cdot \rangle$									\dashv			
*When roo	k coring, e	nter rock br	okeness.							1					
** Include r	nonitor ree	ding in 6 fo	ot intervals		crease reading		elevated response is read.		Drilli Backgroun						
Conve	rted to	Well?				No	Well I.I	D. #:							

PRO. DRILI		IUMBE OMPA		NAS Pensacola 0401 DATE: GEOLOGIST: DRILLER:						BER: SB52 08-Apr-97 D. Parker						
	1					MATE	RIAL DESCRIP	TION			0	VA Read	dina (or	om)		
Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness			lassification	U \$ C \$ *	Remarks	UNFILTERED	FILTERED				
1-HA	1					red brown	silty, fine-grained	I SAND		•	5	0				
2-НА	2		\overline{Z}			red brown	silty, fine-grained					>1K				
								_								
						·										
				ľ												
				Ī												
					, in the second											
				ſ												
				Ī												
							:									
				ľ												
When roc	k coning, e	iter rock bri	okeness. ot intervals	@ borehole, is	ncrease reading	g frequency if	elevated response is read									
Remar	rks: _									Drill Backgrour	ing A nd (pp	rea om):[
	_															

No

Converted to Well?

Well I.D. #:_____

PROJECT NAME: NAS Pensacola BORING PROJECT NUMBER: 0401 DATE: DRILLING COMPANY: GEOLOG										08-Apr-97				
			NY:					EOLOGIST:		D. Parker				
DRIL	LING F	(IG:						RILLER:						
Sample	Depth	Blows/ 6"	Sample	Lithology	Soil Density/		RIAL DESCRIPTION	ON			0	VA Re≇d	ling (pp	m)
No. and Type or RQD	(Ft.) or Run No.	or ROD (%)	Recovery/ Sample Length	Change (Depth/Ft.) or Screened Level	Consistency or Rock	Color	Material Class	ification	U S C S *	Remarks	UNFILTERED	FILTERED		
1-HA	1					dark brown	silty, fine-grained SA	AND		w/ humus-organics	>1K	>1K		
2-HA	2					dark brown	silty, fine-grained SA			w/ humus-organics		>1K		
										-				
									٠					
													_	
													\dashv	
									_				\dashv	
				-									\dashv	
			$\langle \cdot \rangle$	}										
				ŀ									\dashv	_
		$\overline{}$	$\overline{}$	ŀ									\dashv	
				-					-				\dashv	\dashv
			$\overline{}$	-									\dashv	\dashv
			$\overline{}$	ŀ									\dashv	\dashv
				ŀ									\dashv	\dashv
	Ì		$\overline{}$	ŀ									-	
				ŀ									\dashv	
				}					\dashv				\dashv	\dashv
		\nearrow	\supset	ŀ									\dashv	一
		nter rock bri		@ borehole. Ir	ncrease reading	g frequency if	elevated response is read,	1			1	<u> </u>		
Remar										Drill Backgrour	ing A 1d (p)			
Conve	verted to Well? No Well I.D. #:													

PROJECT NAME: NAS Pensacola BORING NUMBER PROJECT NUMBER: 0401 DATE:								R:	SB54					
				0401						08-Apr-97				
		OMPA	NY:					OLOGIST:		D. Parker				
DRIL	LING F	RIG:			-10.00		DR	ILLER:		***************************************				
		D)				MATE	RIAL DESCRIPTIO	N			0,	VA Rea	ding (pp	m)
Sample No. and	Depth (Ft.) or	Blows/6" or ROD	Sample Rcovery/	Lithology Change	Soil Density/ Consistency			3	U S		<u>.</u>	_		
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Color	Material Classif	3	C	Remarks	UNFILTERED	FILTERED		
				Level					S *		CNF	FILI		
						dark								
1-HA	1		-			brown dark	silty, fine-grained SA	ND		w/ humus-organics	>1K	>1K		
2-HA	2					brown	silty, fine-grained SA	ND		w/ humus-organics	>1K	>1K		

		$\overline{}$	-						-					
			$ \angle $											
			$\overline{}$	Ī					\neg					
				j					7					
			$\overline{}$						\dashv					
			$\overline{}$	}					\dashv					\dashv
		\longrightarrow	\leftarrow	-			······································		\dashv					
				-					_					
									_					
	l				}									
			$\overline{}$											
				ľ										
				ŀ										
	ľ	$\overline{}$							\dashv			-		
		\prec	-											
	<u></u>	$\langle \cdot \rangle$		-					_					
		nter rock bro ding in 6 foo		@ borehole, k	ncrease readin	g frequency if	elevated response is read.							
D.	4 -										ing A		***************************************	 ,
Remar	KS:	,								Backgrour	ia (pp	ا:(mc		
					<u> </u>						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	····		
Conve	rted to	Well?			(No		Well I.D.	#:					

	JECT N	IAME: IUMBE		NAS Pensacola BORING NUM 0401 DATE:					ER:	SB55 08-Apr-97			*	
DRIL	LING C	OMPA						GEOLOGIST:		D. Parker				
DRIL	LING F	NG:						DRILLER:						
					Change Consistency Depth/Ft.) or Rock						0	VA Read	ding (pp	m)
Sample No. end Type or RQD	Depth (FL) or Run No.	Blows/6° or ROD (%)	Sample Roovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Consistency	Color	Matenal Cl	assification	U S C S	Remarks	UNFILTERED	FILTERED		
1-HA	1		/			dark brown	silty, fine-grained	SAND		w/ humus-organics	>1K	>1K		
2-HA	2					red	sandy CLAY			fill	>1K	>IK		
			\angle											
					·									
													\neg	
				ŀ									\neg	
				Ì										
				Ì									\dashv	
				j						- A			\dashv	
													一	一
				ŀ			***************************************						\neg	
				Ì					***************************************					
				ŀ										
													\dashv	
			$\overline{}$	ŀ									-	
			$\overline{}$	ŀ										
			\leftarrow	ŀ									\dashv	
		nter rock br		<u></u>										
[⊷] indude i Re ma i		ding in 6 fo	ot intervals	@ borehole. I	ncrease readin	g frequency if	elevated response is read.			Drill Backgrour	ing A nd (pp			
Conve	rted to	Well?			(No)	Well I.D). #:					

Page 1 of 1

PRO	JECT N	NAME:		NAS Per	nsacola		BORING NUME						
PRO	JECT N	NUMBE	R:	0401			DATE:		08-Apr-97				
		COMPA	ANY:				GEOLOGIST:		D. Parker	-			
DRIL	LING F	RIG:					DRILLER:						
				131.4	0.35		RIAL DESCRIPTION	_		0	VA Read	ding (pp	om)
Sample No. and		Blows/ 6" or ROD	Rcovery/	Lithology Change	Soil Density/ Consistency			U		 e			
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Color	Material Classification	C	Remarks	TER.	FILTERED		
ł				Level		ļ		S		UNFILTERED	=		
ļ						E-1-1		*		 _			
1-HA	1					light brown & white	fine-grained SAND			0	NA		
2-НА	2					light brown & white	fine-grained SAND			0	NA		
											-		
							· · · · · · · · · · · · · · · · · · ·						
].						<u> </u>		\dashv	
												\dashv	
										ļ			
												_	
<u> </u>										\sqcup			
** Include i	monitor rea	nter rock br ding in 6 fo	okeness. ot intervals	@ borehole. Ir	ncrease reading	g frequency if	elevated response is read.		Drill	ling A	ree		
Remai	rks:								Backgrou				
Conve	rted to	Well?			(No	Well 1.1	D. #:					

Page	1	of	1
	_		_

		IAME: IUMBE	:R·		NAS Pensacola BORING NUMBER: SB57 0401 DATE: 08-Apr-97										
		OMPA		0401			GEOLOGIST:		D. Parker						
	ING F						DRILLER:		D. T tarkoi						
				<u> </u>		MATE	ERIAL DESCRIPTION	T	T	T o	VA Read	lina (po	m)		
Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	n & c & •	Remark s	UNFILTERED	FILTERED				
1-HA	l					light brown	silty, fine-grained SAND			0	NA				
2-HA	2					light brown	silty, fine-grained SAND		,	0	NA				
									44			\dashv			
			\overline{A}									_	\dashv		
				ŀ					**************************************				\dashv		
				Ī											
													_		
						· ·									
			$\langle $									\dashv	\dashv		
-									·			\dashv	\dashv		
				-								_	_		
				}								\dashv	\dashv		
* When rood ** Include in Reman	ionitor read	iter rock bri Jing in 6 foo	okeness. ot intervals (@ borehole. Ir	ncrease reeding	g frequency if	elevated response is read.		Drill Backgrou	ing A nd (pp					

Converted to Well?

PROJECT NAME: NAS Pensacola BORING N PROJECT NUMBER: 0401 DATE: DRILLING COMPANY: GEOLOGIS								BER:	SB58 08-Apr-97				
							GEOLOGIST:		D. Parker				
DRIL	LING F	RIG:					DRILLER:				,		
			Ī			MATE	RIAL DESCRIPTION	1		0	VA Read	ling (pp	em)
Sample No. and Type or RQD	Depth (FL) or Run No.	Blows/5" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	U S C S +	Remarks	UNFILTERED	FILTERED		
1-HA	1					light brown	silty, fine-grained SAND		w/ humus-organics	0	NA		
2-HA	2		\mathbb{Z}			light brown	silty, fine-grained SAND		w/ humus-organics	0	NA		
		\angle						<u> </u>					
			\angle					ļ					
										<u> </u>			
			\leftarrow	}									
				ŀ									
			$\overline{}$	ŀ								-	
			$\overline{}$	ŀ									
			$\overline{}$	·								\dashv	
												-	
												\dashv	
				-									ᅦ
			\supset	f								7	
			\supset	ŀ								\dashv	\neg
	<u> </u>			Ī									
	İ			ŀ			11111111111111111111111111111111111111						
		nter rock br ding in 6 for		@ borehole, in	ncrease readin	g frequency if	elevated response is read.	•	Drill	ing A	rea		
Remar	rks:								Backgrour				
Conve	erted to Well I.D. #:												

Page	1	of	1

	IECT N			NAS Pensacola BORING NUI 0401 DATE:							-			
		IUMBE		0401						08-Apr-97				
		OMPA	NY:					GEOLOGIST:		D. Parker				
DRILI	ING F	RIG:					······································	DRILLER:						
						MATE	RIAL DESCRIPT	TION			0	VA Res	ding (pp	m)
Sample No. and	Depth (FL) or	Blows/6" or ROD	Sample Rcovery/	Lithology Change	Soil Density/ Consistency	l			U		<u>۾</u>	١,		
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Color	Material Cla	assification	SC	Remarks	UNFILTERED	FILTERED		
				Level					S		Į,	<u> </u>		
L									*			<u> </u>		
1-HA	1					dark brown	silty, fine-grained	SAND		w/ humus-organics	0	NA		
2-HA	2					dark brown	silty, fine-grained	SAND		w/ humus-organics	0	NA		
											ļ			
			/_											
											ļ			
 												_		
														_
<u> </u>			$\overline{}$											
		$\langle \cdot \rangle$		-										
			$\overline{}$	ŀ										
	∤	$\overline{}$		}										
		\longrightarrow	$\overline{}$	_										
	-	$\overline{}$	\leftarrow	-			<u>.</u>							
		$\overline{}$	$\overline{}$	}							- "	-	-	\dashv
		\longrightarrow					 	····						\dashv
		\longrightarrow	$\overline{}$	F		_							-	\dashv
<u> </u>		$\overline{}$	$\overline{}$	-			·							_
*When roo					<u> </u>					<u> </u>		L ·		
		ding in 6 fo	ot intervals	@ borehole. I	ncrease readin	g frequency if	elevated response is read.				ing A			
Remar	tks:						w			Backgrour	nd (p	pm):		
	-							<u>. </u>						
Conve	rted to	Well?			((NO)		Well I.E). #:					

		NAME:		NAS Per	nsacola		BORING NUM	BER:	SB60				
		NUMBE		0401			DATE:		08-Apr-97				
		OMPA	NY:				GEOLOGIST:		D. Parker				
DRILI	LING F	RIG:					DRILLER:						
Sample	Depth	Blows/ 6*	Sample	Lithology	Soil Density/		RIAL DESCRIPTION			0	VA Read	ding (pp	om)
No. and Type or RQD	(FL) or Run No.	or ROD (%)	Rcovery/ Sample Length	Change (Depth/Ft.) or Screened Level	Consistency or Rock	Color	Material Classification	0 % C % •	Remarks	UNFILTERED	FILTERED		
1-HA	1					dark brown	silty, fine-grained SAND		w/ humus-organics	>1K	>1K		
2-HA	2					red	CLAY, w/ brown, silty, fine sand			78	51		
											-		

				-			·						
				}									
			4	-									
			4									_	
				-									
			$\overline{}$	-									
				ŀ									
				}									
			$\overline{}$	-							\dashv	_	
\vdash				ŀ							\dashv	-	
									\dashv		\dashv		
		$\overline{}$		}									
*When roc	k coring, e	nter rock br	okeness.	@ horehole l	Crease reading	fraction w	elevated response is read.		***************************************	L			
Remar		O 10 10 10 10 10 10 10 10 10 10 10 10 10					Sevaled Tesponse is read.		Drill Backgrour	ing A nd (pp			
Conve	verted to Well? No Well I.D. #:												

		NAME:		NAS Pe	nsacola		BORING NUMI	3 E R:		·····			
		NUMBE		0401			DATE:		08-Apr-97			-	
	LING C LING F	COMPA	ANY:			27	GEOLOGIST: DRILLER:		D. Parker				
DRILL	LING	NG.					DRILLER.			·			
						MATI	ERIAL DESCRIPTION			0	VA Read	ling (pp	m)
Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness		Material Classification	U & C & *	Remarks	UNFILTERED	FILTERED		
1-HA	1					red	CLAY, w/ brown, silty, fine sand			0	NA		
2-HA	2					red	CLAY, w/ brown, silty, fine sand			3	0		
										ļ			
					_								
	-												
		\angle											
		\angle							·				
 													
												-	-
				ŀ							$\vdash \vdash$		
				İ									
				Ī			·						
													_
		$\langle \cdot \rangle$	$\langle \cdot \rangle$	-								_	\dashv
			$\overline{}$							\vdash			\dashv
				ŀ						H		\dashv	
				ŀ									
* When roc	k coring	oter rock b	nkeneee										
** Include n	nonitor rea	ding in 6 fo	ot intervals	@ borehole. In	ncrease reading	g trequency if	elevated response is read.		Drill	ing A	геа		
Remar	ks:	······································				·			Backgrour				
Conve	rted to	Well?			(No	Well I.I	D. #: _.	**************************************				

							DOMING LOG						
		NAME: NUMBE	·R·	NAS Per 0401	nsacola		BORING NUM	MBER:	SB62 09-Apr-97	-		·~	
		OMPA					GEOLOGIST:		D. Parker			*	
	LING F						DRILLER:						
						MATE	RIAL DESCRIPTION			0	VA Reac	ling (pp	m)
Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/6" or ROD (%)	Sample Roovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Leval	Soit Density/ Consistency or Rock Hardness	Color	Material Classification	N 0 0 8 •	Remarks	UNFILTERED	FILTEREO		
1 - HA	1					dark brown	silty, fine-grained SAND			0	NA		
2-HA	2					dark brown	silty, fine-grained SAND			>1K	>1K		
							27-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1						
				-	i								\dashv
			\prec	ł				-		-			-
			$\overline{}$	ŀ							\vdash	\dashv	\dashv
							***************************************				H		\dashv
				ŀ									\dashv
				F									
												_	
				-								_	
			4	-									
		$\langle \cdot \rangle$	4	-	· .			-					
		$\langle \cdot \rangle$	4	-						+		_	
When roc	k coring, e	nter rock bri	okeness.										
* Include n Remar							elevated response is read.		Dri B ackg rou	lling A ınd (pı	rea om):[
	100												

Converted to Well?

		NAME: NUMBE	:R:	NAS Per 0401	nsacola		BORING NUMI	BER:	SB63 09-Apr-97				
		OMPA	NY:				GEOLOGIST:		D. Parker				
DRILL	ING F	RIG:				· · · · ·	DRILLER:						
	-			T T		MAT	FRIAL DESCRIPTION	T		0	VA Rea	ding (pr	om)
Sample No. and Type or RQD	Depth (FL) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Dapth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	បនបន៖	Remarks	UNFILTERED	FILTERED		
1-HA	1					dark brown	silty, fine-grained SAND			40	0		
2-HA	2					dark brown	silty, fine-grained SAND			>1K	>1K		
									ATTRICTOR				
			$\overline{}$										

										-			
					·								
			\mathcal{A}									-	-
											·		
							·····						
													_
												\Box	
_				-								\dashv	\dashv
													\Box
	-	\rightarrow		-		,						_	\dashv
When rook Include m	ionitor rea	nter rock bro ding in 6 foc	okeness. It intervale (@ borehole. In	ocrease reading	g frequency if	elevated response is read.		Dril Backgrou	ling A	rea om):[

Converted to Well?

PRO.	IECT N	NAME:		NAS Per	nsacola		BORING NUM	BER:	SB64				
PROJ	IECT N	NUMBE	R:	0401			DATE:		09-Арг-97				
		COMPA	NY:				GEOLOGIST:		D. Parker				
DRILI	-ING F	RIG:			····		DRILLER:						
							RIAL DESCRIPTION			0	VA Res	ling (pp	rn)
Sample No. and Type or RQD	. and (Ft) or or ROD Roo Sar pe or Run No. (%) Sar tel			Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	U S C S *	Remarks	UNFILTERED	FILTERED		÷
l-HA	1					dark brown	silty, fine-grained SAND			0	NA		
2-HA	2					dark brown	silty, fine-grained SAND			0	NA		
												\neg	
								1	·				
								<u> </u>					
				·				T				\neg	
						·							
								ļ					
-				-									
			4					<u> </u>					
			$\langle $	ŀ				_					
			$\overline{}$					<u> </u>				-	
								-					
				ŀ				-				-	
		$\overline{}$		H				I					
			$\overline{/}$	f									
				ľ									
			$\overline{}$	f									
				@ borehole. Ir	ncrease reading	g frequency if	elevated response is read.		Drilli	ing A	res		
Remar	ks: _								Backgrour				
Conve	- rted to	Well?				No	Well I.	D. #:				 	

		NAME: NUMBE	R.	NAS Per 0401	nsacola		BORING NUMI	BER:	SB65 09-Apr-97				
		OMPA		0401			GEOLOGIST:		D. Parker				
	LING F						DRILLER:				·····		
	l	T	1	T		MATI	ERIAL DESCRIPTION	т-		Τ ,	VA Read	line (or	·-·
Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness		Material Classification	⊃ & C & •	Remarks	UNFILTERED	FILTERED		
1-HA	1					dark brown	silty, fine-grained SAND			0	NA		
2-HA	2		\angle						REFUSAL				
								<u> </u>		<u> </u>			
	_1.							ऻ		-			
								-					
				·				-					
			$\overline{}$				- W. W. W. W. W. W. W. W. W. W. W. W. W.						
								ļ					
				ŀ								\dashv	
			$\overline{}$						_				
	_		$\overline{}$										
				ŀ					4.44			-	
				ŀ								\dashv	
				ľ		·							
							· .						
			$ \angle $		`								
				-								_	
* When m	k coring e	nter rock bro	okeness										
"Include in	nonitor rea	ding in 6 foo	okeness. ot intervals	@ borehole. Ir	ncrease reading	g frequency if	elevated response is read.		Drill Backgrour	ing A nd (p)	rea om):[
Conve	- rted to	Well?				No	Well I.I	D. #:					

PRO	IECT N	NAME:		NAS Per	nsaçola		BORING NUM	BER:	SB66				
PROJ	IECT N	NUMBE	R:	0401			DATE:		09-Apr-97				
DRILI	ING C	COMPA	NY:				GEOLOGIST:		D. Parker				
DRIL	ING F	RIG:					DRILLER:						
		T				MATE	RIAL DESCRIPTION	1		0	VA Read	ling (pp	om)
Sample No. and	Depth (Ft.) or	Blows/ 6" or ROD	Sample Rcovery/	Lithology Change	Soil Density/ Consistency	T T		ں				- 6 (1-1	
Type or	Run No.	(%)	Sample	(Depth/Ft.)	or Rock		Made del Oleve Venetico	S	B	UNFILTERED	9		
RQD			Length	or Screened Level	Hardness	Color	Material Classification	CS	Remarks	핕	FILTERED		
										Š	"		
1-HA	1					dark brown	silty, fine-grained SAND			>1K	>1K		
2-HA	2					dark		†					
2-NA						brown	silty, fine-grained SAND	┼		>1K	>1K		_
								 					
			/										
										,			
											_		
											\dashv		
				ŀ							-		
											\dashv	-	
			$\langle \cdot \rangle$										
\vdash	}	4	$\langle \cdot \rangle$	}							_	-	
				-									
]									
				ſ									
	Ť												
			$\overline{}$	f							\dashv	_	
				ŀ							\dashv	-	
		$\overline{}$	\leftarrow										
		\longrightarrow	4	-							-	\dashv	
11/45					l								
*When rock coring, enter rock brokeness. **Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read. Drilling Area													
Remar	ks:								Drill Backgrour	ng Ai id (nr	ım).∫		
										- 166	,.L		
C	 	\A(-!!^					125 11 1 1	Б 4.					
Conve	rea to	vveil?			((N ₀)	Well I.	IJ. #ï _.					

PRO. DRILI		NUMBE COMPA		NAS Per 0401	nsacola		BORING NUM DATE: GEOLOGIST: DRILLER:	BER:	SB67 09-Apr-97 D. Parker				
	r	<u> </u>			T	MANT	ERIAL DESCRIPTION	-		T .			
Sample	Depth	Blows/ 6"	Sample	Lithology	Soil Density/	1	RIAL DESCRIPTION	U		0	VA Read	ling (pp	om)
No. and Type or RQD	(Ft.) or Run No.	or ROD (%)	Rcovery/ Sample Length	Change (Depth/Ft.) or Screened Level	Consistency or Rock Hardness	Color	Material Classification	S C S	Remarks	UNFILTERED	FILTERED		
1-HA	1					dark brown	silty, fine-grained SAND			0	NA		
2-HA	2					dark brown	silty, fine-grained SAND	<u> </u>		>1K	>1K		
		/	/										
			$\overline{}$					-					
								+					
								+					
							·						
			\angle			`			·	_		_	
												_	
				}							-	\dashv	
							7			 		_	
				ŀ								ᅦ	
												\exists	
			\angle										
			$\langle $	-			·						
			$\langle \cdot $							-		_	
*When roc													
Remar		ung in 6 fo	ol prioryais	eg porencie, il	R.Tease (BBCK)	y iraquency (f	elevated response is read.		Dril Backgrou	ling A nd (p	rea om):[
Conve	rted to	Well?			(No	Well i.	D. #:					

Page	1	of	1

		NAME:	ъ.	NAS Per	nsacola			BORING NUME	BER:	to the same of the				···.
		NUMBE COMPA		0401	-	-		DATE: GEOLOGIST:		09-Apr-97 D. Parker				
	LING C		un I.					DRILLER:		D. Parker				
	-,,,,,		ſ	7		MATE								
Sample	Depth	Blows/6"	Sample	Lithology	Soil Density/		RIAL DESCRIPT	ION	U		├ °	VA Read	ling (pp	m)
No. and Type or RQD	(Ft.) or Run No.	or ROD (%)	Rcovery/ Sample Length	Change (Depth/FL) or Screened Level	Consistency or Rock Hardness	Color	Material Cl	assification	S C S *	Remarks	UNFILTERED	FILTERED		
1-HA	1					dark brown	silty, fine-grained	SAND			15	0		
2-HA	2					red brown	medium-grained S	AND			>1K	>1K		
			-											
				-			"							
			$\overline{}$	ŀ			***************************************							_
				•				·						
				ŀ						22.0				
			4	-										
			$\langle \cdot \rangle$	-										
			$\langle \cdot $	-							+		\dashv	\dashv
				}										
		nter rock br ding in 6 fo		@ borehole. Ir	ncrease reading	g frequency if	elevatad response is read.					L		
Remai										Dril Backgrou	ling A nd (p	rea pm):[·	
Conve	rted to	Well?				No		Well I.D	O. #:			· · · · · · · · · · · · · · · · · · ·		

PROJ DRILI	IECT N	NAME: NUMBE COMPA RIG:		NAS Per 0401	nsacola		DA GE	DRING NUMBE NTE: EOLOGIST: RILLER:		SB69 09-Apr-97 D. Parker				
				T		MATE	RIAL DESCRIPTIO	N T			0'	VA Read	lina (po	am)
Sample No. and Type or RQD	Depth (FL) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classi	fication	U S C S	Remarks	UNFILTERED	FILTERED	ang (pp	
1-HA	1					dark brown	silty, fine-grained SA	ND			>1K	>1K		
2-HA	2					dark brown	silty, fine-grained SA	ND	_		30	0		
					72									
									4					
-									\dashv					
				,										
									-				_	
									1					
			\triangleleft	-					\dashv				_	
													\dashv	
													\Box	
			$\overline{}$						-				_	
				-										
			$\langle $	-					\dashv			_	\dashv	4
				}					\dashv				\dashv	\dashv
									\Box				\Box	
			\overline{A}	-	·				\dashv			\dashv	\dashv	\dashv
				F		- 1			+					\dashv
	ionitor read	iter rock bro ding in 6 foc		@ borehole. In	crease reading	g frequency if	elevated response is read.			Drilli Backgroun	ng A d (pr	rea om):[

Converted to Well?

PROJ DRILI		IUMBE OMPA		NAS Per 0401	nsacola		BORING NU DATE: GEOLOGIST DRILLER:		SB70 09-Apr-97 D. Parker				
						MATE	RIAL DESCRIPTION			0	VA Read	ina (ppr	n)
Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness		Material Classification	U S C S ·	Remarks	UNFILTERED	FILTERED		
1-HA	I					light brown	silty, fine-grained SAND			0	NA		
2-HA	2					light brown	silty, fine-grained SAND			0	NA		
			\angle										
					~~~								
				Ĺ									
									·				
					-								
				Į									
					-								
	nonitor rea		ot intervals		ncrease readin		elevated response is reed.		Dri Backgrou	illing A und (p			
Conve	rted to	Well?			(	No	Wel	II I.D. #:					

	JECT N	NAME: NUMBE	:R·	NAS Per 0401	nsacola		BORING NUMI	BER:	SB71 09-Apr-97				
		OMPA		-			GEOLOGIST:		D. Parker				
DRIL	LING F	RIG:					DRILLER:						
Sample	Depth	Blows/ 6"	Samele	Lithology	Soil Density/		RIAL DESCRIPTION	Ī		0	VA Read	ling (pp	жп)
No. and Type or RQD	(Ft.) or	or ROD (%)	Sampte Rcovery/ Sampte Length	Change (Depth/Ft) or Screened Level	Consistency or Rock	Calor	Material Classification	U 8 C 8 •	Remarks	UNFILTERED	FILTERED		
1-HA	1					dark brown	silty, fine-grained SAND			0	NA		
2-HA	2					light brown	silty, fine-grained SAND			0	NA		
-													
										<u> </u>			
							·						
										-			
			$\langle \cdot \rangle$										
			$\langle \cdot \rangle$	ŀ									
				ŀ		_	· · · · · · · · · · · · · · · · · · ·						
			$\overline{}$	-			·						
				ŀ						-		-	
				ŀ									
										+-			
				ŀ									
				ľ								$\exists$	
				ŀ			n						
				Ī									
				ſ									
*When roo **Include / Remai	monitor rea		ot intervals		ncrease readin		elevated response is read.	i.e.	Dri Backgrou	lling A ınd (p			
Conve	rted to	Well?			. (	No	Well I.	D. #:					

PRO.	ECT N	NAME:		NAS Per	nsacola		BORING NUI	MBER:	SB72			
PROJ	ECT N	NUMBE	R:	0401			DATE:		09-Apr-97			***************************************
DRIL	ING C	OMPA	NY:				GEOLOGIST	<b>:</b> :	D. Parker			
							RIAL DESCRIPTION			0'	VA Readin	g (ppm)
No, and	(FL) or	or ROD	Rcovery/	Change	Consistency					l e		
	Run No.	(%)			•	Color	Material Classification		Remarks	TER.	ERE!	
				Level				s		S	FIL	
<del>                                     </del>	_					dark						
		$\leftarrow$	<del>/</del>			1		_				
2-HA	2		_				silty, fine-grained SAND		w/ humus-organics	>1K	>1K	
			$\overline{}$									
												+
			$\leq$									
			$\leq$				<u> </u>					
				ſ								
				ľ								
			$\overline{}$	ŀ				+				
			$\overline{}$	ŀ				_			_	$\dashv$
			$\leftarrow$	ļ								-
		$\prec$	$\langle \cdot \rangle$	-				_				
		$ \langle                                   $										
* When roc				@ borehole. Ir	ncrease readin	g frequency if	elevated response is read.					
D	l.a.									ing A		
Remar	KS:								Backgroui	ia (pļ	əm):[_	
	-					_		····				
Conve	rted to	Well?			(	N _O	Well	I.D. #:				

							DOMINO LOG						
PRO.	JECT I	IAME:		NAS Per	nsacola		BORING NUM	BER:	SB73				
		UMBE	R:	0401			DATE:	· ··	09-Apr-97				
		OMPA					GEOLOGIST:		D. Parker				
DRIL	LING F	RIG:				******	DRILLER:		***************************************				
	<u> </u>	Γ	ř		ì	MATE	ERIAL DESCRIPTION	<del></del>		1			
Sample	Depth	Blows/6"	Sample	Lithology	Soil Density/		I I I I I I I I I I I I I I I I I I I	٠,		<b> </b> º	VA Read	ling (pp	(m <u>x</u>
No. and Type or RQD	(FL) or Run No.	or ROD (%)	Roovery/ Sample Length	Change (Depth/Ft.) or Screened Level	Consistency or Rock Hardness	Color	Material Classification	S C S	Remarks	UNFILTERED	FILTERED		
1-HA	1					dark brown	silty, fine-grained SAND		w/ humus-organics	>1K	>1K		
2-HA	2					dark brown	silty, fine-grained SAND		w/ humus-organics	85	0		
							junity, Tare granted 57112		, Indiana organios	1	H		H
											$\vdash \vdash \vdash$		
								ļ		ļ	$\sqcup$		
						. , ,							
			$\overline{}$					<del> </del>				$\dashv$	-
·		$\langle \cdot \rangle$	$\leftarrow$								-		
			4										
,													
				ſ									
				Ì								$\neg$	
				ľ								$\neg$	
-			$\mathcal{A}$	ŀ								$\dashv$	
		$\longrightarrow$	$\prec$									$\dashv$	-
		$\longrightarrow$									<b></b>	_	
				Ĺ									
							•						
			$\overline{}$	ľ								$\neg$	
		<u> </u>		f							1	一十	
				ŀ						H		$\dashv$	$\dashv$
		$\longrightarrow$	$\overline{}$	-						$\vdash$	$\dashv$	$\dashv$	_
When	k corice	iter rock bro	akenesa										
	nonitor rea	ling in 6 foo	ot intervals		ncrease readin		efevaled response is read.		Drill Backgrour	ing A nd (pr	rea om):[		
Conve	rted to	Well?			(	No	Well I.I	D. #:					

							BOKING LOG						
PROJ	ECT N	NAME:		NAS Per	nsacola		BORING NUME	BER:	SB74				
		NUMBE	R·	0401			DATE:		09-Apr-97				
		OMPA					GEOLOGIST:		D. Parker				
DRILL							DRILLER:		D. Tarker				
						-					-		
							RIAL DESCRIPTION			0	VA Rea	ding (pp	om)
Sample No. and	Depth (Ft) or	Blows/6" or ROD	Sample Rcovery/	Lithology Change	Soil Density/ Consistency			U		Ω			
Type or RQD	Run No.	(%)	Sample Length	(Depth/Fl.) or Screened	or Rock Hardness	Color	Material Classification	S	Remarks	UNFILTERED	FILTERED		
, was			Longar	Level	11011111000	30.0	Waterial Classification	s	Remains	Ę,	il.TE		
						1				5			
1-HA	1					dark	silts: fine amined CANID		/	20	16		
1-па	1					brown dark	silty, fine-grained SAND	_	w/ humus-organics	30	15		-
2-HA	2					brown	silty, fine-grained SAND		w/ humus-organics	20	18		
			$\angle$										
	-												
			$\langle \cdot \rangle$										
			$\leftarrow$										
							·						
				· • • • • • • • • • • • • • • • • • • •									
		$\leftarrow$	-	}									
				į									
		$\langle \cdot \rangle$											
				l								l	
				-									
				L									
	i		/								- 1		
				ŀ									
		$\prec$		-									
				<u> </u>									-
1											. 1	1	
	<del></del>			ŀ								T	
		-	$ \langle                                   $										
		nter rock br		@ hoostale is	vrages madia	o francisco: 2	elevated response is read.						
# FAMPLIE [[		~~~ 당기 다 (다	Jr. II IDOT <b>TG/3</b>	G 44 4 (VIO.	0000 (BSUR)	A u adrigues in it	ентины гаритов в гван.		Drilli	ing A	rea		
Remar	ks:								Backgrour				
	-								, <del>-</del>				
	-												

Converted to Well?

PROJ DRILI		OMPA		NAS Per 0401	nsacola		BORING NUM DATE: GEOLOGIST: DRILLER:		SB75 09-Apr-97 D. Parker				
			T		I	MATE	ERIAL DESCRIPTION			1 0	VA Read	ina (na	·m)
Sample No. and Type or RQD	Depth (FL) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Semple Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness		Material Classification	U S C S •	Remarks	UNFILTERED	FILTERED		,
1-HA	1					dark brown	silty, fine-grained SAND		w/ humus-organics	49	31		
2-HA	2					red	CLAY		fill	12	12		
					.,//							,	
						7 7			, , , , , , , , , , , , , , , , , , , ,				
					-								
							**************************************		,,				
						-							
									-				
					. 1								
	monitor rea	nter rock br ding in 6 fo	ot intervals		ncrease readin		elevated response is read.		Drill Backgrou	ing A	rea om):[		
Conve	rted to	Well?			(	No	Well I	I.D. #:					

							DOMINO LOG						
		NAME:		NAS Pe	nsacola		BORING NUME	3ER:	SB76				
PROJ	IECT N	NUMBE	R:	0401			DATE:		09-Apr-97				
DRILL	ING C	COMPA	NY:				GEOLOGIST:		D. Parker				
DRILL	ING F	RIG:					DRILLER:						
		T	T	T		MATE	DIAL DESCRIPTION	T		, _			
Sample	Depth	Blows/6"	Sample	Lithology	Soil Density/	INICIE	THE DESCRIPTION	┨		<del>  °</del>	VA Read	ling (pp	m)
No. and Type or	(Ft.) or	or ROD	Rcovery/ Sample	Change (Depth/Ft.)	Consistency or Rock					B	g.		
ROD	1401.110.	\'~'	Length	or Screened		Color	Material Classification	С	Remarks	19	ER		
1				Level			·			E S	12		
						dark		<del> </del>					
1-HA	1					brown	silty, fine-grained SAND		w/ humus-organics	0	NA		
2-HA	2					dark brown	silty, fine-grained SAND		w/ humus-organics	19	10		
- 10.1							oney, into grantee brille	1	William Organico	1	10		
								<u> </u>		<b>_</b>			
								l .	·				
								-				-	
			$\angle$										
	***************************************												
			-									-	
											$\neg \dagger$		
			4										
				L		*							
				f					·				$\neg$
-		-	$\prec$	ŀ									
				ŀ								$\neg$	
		$-\downarrow$	$\leq$										
			$\overline{}$	Γ									
			$\overline{}$	ŀ							+		
		$\langle \cdot \rangle$	4	- 1									
	Į	/ [		İ							ļ	ı	1
T.			$\overline{}$	Γ									
			$\overline{}$	F								-	$\dashv$
	l,		/	ļ		1					- 1	- 1	
	T	1	$\overline{}$	<b> </b>									
When rock	( coring. e	nter rock bro	okeness.			1							
* Include m	onitor rea	ding in 6 foo	ot intervals	@ borehole. In	crease reading	g frequency if	elevated response is read.			_			
Secretary   Dough   Blows of Story   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Consequence   Conse													
Keman	KS: _				· · · · · · · · · · · · · · · · · · ·				Backgroun	a (pp	m):[	·	
When rock coring, enter rock brokeness. Include monitor reading in 6 foot Intervals @ borehole. Increase reading frequency if elevated response is read.													

Converted to Well?

DDO	ICOT I			MAGR			<u> DOMINO</u>	·	\	ana-				
		NAME:	· n	NAS Per	nsacola			BORING NUME	SER:					
		NUMBE		0401	-			DATE:		09-Apr-97				
		COMPA	MY:					GEOLOGIST:		D. Parker				
DKIL	LING F	RIG:						DRILLER:				M		
_			_			MATE	RIAL DESCRIP	PTION			0	VA Rea	ding (pp	om)
Sample No. and	Depth (Ft.) or	Blows/ 6" or ROD	Sample Rcovery/	Lithology Change	Soil Density/ Consistency				U		l e			
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Color	Material (	Classification	S	Remarks	E E	FILTERED		
				Level					s		UNFILTERED	두		
									*					
1-HA	1					dark brown	silty, fine-graine	d SAND		w/ humus-organics	0	NA		
2-HA	2					light brown	silty, fine-graine	d SAND		w/ humus-organics	0	NA		
												$\vdash$		
													-	
	,,,,,,													
								× *** * * * * * * * * * * * * * * * * *						
										-				
				ľ										
				Ì									$\dashv$	
			$\overline{}$											
			$\overline{}$	ŀ			<u></u>						_	$\dashv$
				-										
		$\longrightarrow$		-			× ,				-	-	$\dashv$	-
		$\longrightarrow$	$\leftarrow$									-		_
			4	-									_	
				Ĺ										
			$\overline{}$				*							
			$\overline{}$	ļ									$\Box$	ヿ
				ľ									$\neg$	$\exists$
		nter rock bro		@ borehole. In	ncrease reading	g frequency if	elevated response is read	1.			L			
				- "		- , • ·	• • • •				ing A			
Remar	ks:									Backgroun	id (pp	):[	*****	
	-				·····							-	<b>N-1-1</b>	
Conve	rted to	Well?			(	N ₀		Well I.	). #: _.					

Converted to Well?

PROJ DRILL	IECT N	IAME: IUMBE OMPA IIG:		NAS Per 0401	nsacola		BORING NUME DATE: GEOLOGIST: DRILLER:	BER:	SB62 09-Apr-97 D. Parker				
						MATE	RIAL DESCRIPTION				VA Reac	line /ee	_, _
Sample No. end Type or RQD	Depth (FL) or Run No.	Blows/6" or ROD (%)	Semple Roovery/ Semple Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	U & C & *	Remarks	UNFILTERED	FILTERED	mag (pap	
1-HA	1					dark brown	silty, fine-grained SAND		w/ humus-organics	65	35		
2-HA	2					red	CLAY, w/ brown, silty, fine sand			>1K	>1K		
							V.A						
													$\neg$
			$\angle$										
													$\dashv$
												$\dashv$	
					· · · · · · · · · · · · · · · · · · ·				,				
			$\overline{}$										
									1.0				
		$\langle \cdot \rangle$	$\langle \cdot \rangle$	-								_	_
			$\mathcal{A}$	ŀ									
				ţ									
				-									
				}			100 Alberton					_	$\dashv$
		$\nearrow$	$\overline{}$	ŀ			V						$\dashv$
When roc	k corina.	nter rock br	okeness.										
** Include in	nonitor rea	ding in 6 foo	ot intervals	@ borehole. in	ncrease readin	g frequency if	elevated response is read.		Drill Backgrour	ing A nd (pp			

Converted to Well?

PROJ DRILL		NUMBE OMPA		0401	nsacola		BORING NUME DATE: GEOLOGIST: DRILLER:	BER:	SB79 09-Apr-97 D. Parker				
						MATE	RIAL DESCRIPTION	Г		0	VA Read	ling (pp	m)
Sample No. and Type or RQD	Depth (Ft.) or Run No,	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/FL) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	U S C S *	Remarks	UNFILTERED	FILTERED		
1-HA	1					dark brown	silty, fine-grained SAND		w/ humus-organics	0	NA		
2-HA	2					red	CLAY, w/ brown, silty, fine sand			0	NA		
			$\angle$										
			$\langle \cdot \rangle$	,								$\dashv$	
							100 100 100 100 100 100 100 100 100 100						
							·					-	
													$\dashv$
			$\overline{}$	ŀ					<b>4</b> 2			$\dashv$	
			$\overline{}$	,							-	$\dashv$	$\dashv$
				ŀ							_	$\dashv$	_
		$\overline{}$					·				-	_	_
												士	
\\ <b>A</b>													
* Include n	nonitor rea	nter rock bro ding in 6 foo	ot intervals	@ borehole, k	ncrease reading	g frequency if	elevated response is read.		Drilli Backgrour	ng A	rea om):[		

Converted to Well?

PROJ	ECT I	NAME:		NAS Per	nsacola		BORING NUM	BER:	SB80				
PROJ	IECT N	NUMBE	R:	0401			DATE:		09-Apr-97				
		COMPA	NY:				GEOLOGIST:		D. Parker				<del></del>
DRIL	JNG F	RIG:					DRILLER:						
							ERIAL DESCRIPTION	Ι		0	VA Read	qq) gnit	om)
Sample No. and	Depth (FL) or	Blows/ 6" or ROD	Sample Rcovery/	Lithology Change	Soil Density/ Consistency			U		g			
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Color	Material Classification	S	Remarks	TERE	FILTERED		
			_	Level				s		UNFILTERED			
						dark		•					
1-HA	1		/_			brown	silty, fine-grained SAND		w/ humus-organics	0	NA		
2-HA	2		$\angle$			red	CLAY, w/ brown, silty, fine sand			>1K	>1K		
												$\neg$	
								<del>                                     </del>					
												$\dashv$	
								1					
				ŀ								$\dashv$	
									·			$\dashv$	
			$\overline{}$	ŀ				-				$\dashv$	
				ŀ				<del> </del>			-		
				}				<del> </del>			_	$\dashv$	
			$\leftarrow$	ŀ				├				$\dashv$	
$\vdash$			$\leftarrow$	-				<del>                                     </del>					_
			4	-			7.7.1	<u> </u>				$\dashv$	
								<u> </u>			_	_	
											_		
				L				<u> </u>				_	
								ļ					
				L									
				ſ									
				ſ									
				ľ								$\exists$	
* When rock	coring, e conitor rea	nter rock bri ding in 6 foo	okeness. ot intervals	@ borehole. In	crease reading	frequency if	elevaled response is read.			· , . <b></b>			<b>-</b>
Remark										ing A		· <del>/············</del>	₁
remain	۸ð. "	· · · · · · · · · · · · · · · · · · ·							Backgrour	iu (pp	7(1).[	<del></del>	
•		11											
Conver	ted to	well?			(	N ₀	Well I.I	D. #:					

PRO. DRILI	JECT N LING (	NUMBE OMPA		NAS Per 0401	nsacola		DATE: GEOLOGI	ST:	SB81 09-Apr-97 D. Parker				
	RILLING RIG:  D. Parker  D. Riller:  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Parker  D. Park												
Sample							RIAL DESCRIPTION	- U			/A Readi	ng (ppm	1)
No, and Type or RQD			Sample	(Depth/Ft.) or Screened	or Rock	Color	Material Classification	C S	Remarks	UNFILTERED	FILTERED		
1-HA	1						silty, fine-grained SAND		w/ humus-organics	3	0		
2-HA	2		$\angle$				silty, fine-grained SAND		w/ humus-organics	>1K	>1K		
												$\bot$	
												_	
													_
												$\dashv$	
						-						-+	_
				}								$\dashv$	$\dashv$
						·						$\dashv$	
											$\dashv$	$\dashv$	
												-	_
				ŀ								$\top$	ᅦ
				f									
											$\Box$	$\neg$	
											$\bot$	_	$\sqcup$
											_		_
											$\dashv$	_	4
				-			······································	-				4	_
			4	-							$\dashv$	$\dashv$	_
		$\overline{}$	4	-							$\dashv$	+	$\dashv$
* When roc	k coring, e	nter rock br	okeness.							1			
Remar													
Conve	- rted to	Well?				No	W	/ell I.D. #:					

PROJ	JECT N	NAME:		NAS Per	isacola .		_	BORING NUME	BER:	SB82				
PROJ	JECT N	NUMBE	R:	0401				DATE:		09-Apr-97				
DRILL	LING (	OMPA	NY:	-				GEOLOGIST:		D. Parker				
DRIL	LING F	RIG:						DRILLER:						
	1	r -				MAATI	RIAL DESCRIP	TION	1					
Sample	Depth	Blows/ 6"	Sample	Lithology	Soil Density/	IVIATE	T TESCRIP	IION	u		°	VA Rea	ding (pp	om)
No. and Type or	(FL) or Run No.	or ROD (%)	Rcovery/ Sample		Consistency or Rock				S		9	٩		1
RQD	yadii No.	\ \^	Length	or Screened	Hardness	Color	Material C	assification	C	Remarks	Ë	FILTERED		
				Level					s		UNFILTERED	H		
						13.3.			ļ -			ļ		
1-HA	1					dark brown	silty, fine-grained	SAND		w/ humus-organics	0	NA		٠.
2-HA	2			1		light					0	NA		
Z-MA						brown	silty, fine-grained	SAND	├	w/ humus-organics	U	NA		-
									<u></u>					
											<b></b>			
				1										
$\vdash$	,								<u> </u>					
				ŀ										
$\vdash$			4											
	·····			h			*							
$\vdash$		$\leq$	4	-										
								. 1						
				f			,							
		4	$\leq$											
										,				
			$\nearrow$							,				
				f										
			$\leftarrow$	-										
				L										
				, [										
				<u> </u>										
$\vdash$		$\langle \cdot \rangle$	$\overline{}$	-										
	_ <u>.                                    </u>							·		· .				
		$\overline{}$												
* When roc	k coring, e	nter rock br	okeness.											
** Include n	nonitor rea	ding in 6 fo	ol intervals	@ borehole. Ir	crease reading	g trequency if	elevated response is read.			Delli	ing A	ree		
Remar	ks [.]									Backgroun				
· · · · · · · · · · · · · · · · · · ·										243191341	- \PI	-···/· [		
	-													
Conve	rted to	Well?			(	_N ₀		Well I.I	D. #: ˌ				<del> </del>	

DBO	JECT N	I A R#E-		NIA C Do	1_		POPING NUM	oen.	ener				
		IVIDE.	ъ.	NAS Per 0401	nsacola		BORING NUME	DEK.		<del></del>			
		OMPA		0401			GEOLOGIST:		09-Apr-97 D. Parker				
	LING F		MYT.				DRILLER:		D. Parker				
DIVIE	LING						DRILLER.						
						MATE	RIAL DESCRIPTION			0	VA Read	ling (pp	rn)
Sample No. and Type or RQD	Depth (Ft) or Run No.	Blows/6* or ROD (%)	Semple Rcovery/ Sample Length	Lithology Change (Dapth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardnese	Color	Material Classification	u s c s •	Remarks	UNFILTERED	FILTERED		
1-HA	1					dark brown	silty, fine-grained SAND		w/ humus-organics	0	NA		
2-HA	2					derk brown	silty, fine-grained SAND		w/ humus-organics	0	NA		
2-11/1						0.0411	sity, fine-granted 5AND	+-	W/ Humus-organics	- V	14/1		
	-												
								I					
						,		<b>†</b>					
													-
			$\angle$										
								ļ					
									2012-2				
			$\leftarrow$										
			$\overline{}$										
			$\overline{}$					<del> </del>					
				ŀ									
			$\overline{}$	İ									
				ľ									
				ľ									
	nonitor rea	nter rock br ding in 6 fo		@ borehole. i	ncrease readin	g frequency if	elevated response is read.		Drill Backgrour	ing A nd (p	rea pm):[		
	-								· · · · · · · · · · · · · · · · · · ·		•		

Converted to Well?

PROJECT NAME:				NAS Per	nsacola		BORING NUME	BER:	R: SB84						
PROJECT NUMBER: DRILLING COMPANY:				0401			DATE:		09-Apr-97						
			NY:				GEOLOGIST:		D. Parker						
DRILI	_ING F	RIG:					DRILLER:								
						MATE	RIAL DESCRIPTION			0	VA Read	ding (p	рт)		
Sample No. and	Depth (Ft.) or	Blows/6" or ROD	Sample Rcovery/	Lithology Change	Soil Density/ Consistency			U		e		ĺ			
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Color	Material Classification	S	Remarks	H H	FILTERED				
				Level				s		UNFILTERED	글				
1-HA	1	/	/			dark brown	silty, fine-grained SAND		w/ humus-organics	25	25				
2-HA	2					red	CLAY			>1K	>1 <b>K</b>				
							A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA								
				ŀ											
	-			ŀ											
$\vdash$			$\overline{}$	ŀ											
			$\overline{}$	ŀ											
			$\leftarrow$	ŀ											
			$\leftarrow$	ŀ							_				
			$\leftarrow$	-											
				-							-				
-			4	-											
				-											
				-											
					·										
												]			
* When rock ** Include m				@ borehole. Ir	crease reading	frequency if	elevated response is read.								
Remar	ks:								Drill Backgrour	ing A nd (pr					
	-									155					
Converted to Weil? No Weil I.D. #:															

⊃age	1	of	1	

PRO.	IECT N	NAME: NUMBE COMPA		NAS Pensacola  0401  DATE:  GEOLOGIST:						ER: SB85 09-Apr-97 D. Parker						
DRIL	LING F	RIG:					DRILI	LER:	-							
							RIAL DESCRIPTION				OVA Reading (ppm)					
Sample No. and Type or RQD	Depth (FL) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft) or Screened Level	Soil Density/ Consistency or Rock Hardness		Material Classifica	tion	U S C S •	Remarks	UNFILTERED	FILTERED				
I-HA	1					dark brown	silty, fine-grained SAND	)			17	17				
2-HA	2				•	dark brown	silty, fine-grained SAND				45	15				
		$\angle$							_							
									_							
							V		_							
									$\dashv$							
									$\dashv$					$\square$		
							······································		$\dashv$		-1	-		$\vdash$		
							444		$\dashv$			$\dashv$	$\dashv$			
				ŀ					$\dashv$				-			
				Ì					$\dashv$							
									$\top$							
									$\exists$							
													$\exists$			
·																
							***************************************									
									$\downarrow$							
				-					_				_			
			$ \langle                                   $	-					_			_	_			
*When roc	k coring, e	nter rock br	okeness.													
	nonitor rea			@ borehole. II	ncrease reading	g frequency if	elevatad response is read.			Drill Backgrour	ing Ai	rea om):[				
Conve	rted to	Well?			(	No		Well I.D.	#:_							

		NAME:		NAS Pensacola BORING NUME													
		NUMBE		0401 DATE: GEOLOGIST:						09-Apr-97							
		OMPA	NY:					D. Parker									
DKILI	LING F	KIG:						ORILLER:									
		MATERIAL DESCRIPTION									0	VA Read	ling (ppi	m)			
Sample No. and Type or	Depth (FL) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample	Lithology Change (Depth/Ft.)	Soil Density/ Consistency or Rock				U S		RED	ED.					
RQD			Length	or Screened Level	Hardness	Cotor	Material Cla	ssification	C S	Remarks	UNFILTERED	FILTERED					
1-HA	1					dark brown	silty, fine-grained S	SAND			0	NA					
2-HA	2					dark brown	silty, fine-grained S	SAND			0	NA					
							-										
					. •	·											
		$\angle$	$\angle$														
		/							×				_				
'																	
													$\dashv$				
			$\langle \cdot \rangle$														
				ŀ													
			$\angle$														
				-										_			
			$\langle \cdot \rangle$										$\dashv$				
				ŀ									$\dashv$	$\dashv$			
							••										
		nter rock br ding in 6 fo		@ borehole, k	ncrease readin	g frequency if	elevated response is read.			D-:0	ine A	-00					
Remar	ks:									Backgrour	ing A nd (p _l						
Converted to Weli? No Weli I.D. #:																	

PRO. DRIL		IUMBE OMPA		NAS Pensacola         BORING NUMBER:         SB87           0401         DATE:         09-Apr-97           GEOLOGIST:         D. Parker           DRILLER:         ORILLER:									
Sample No. and Type or RQD	Depth (FL) or Run No.	Blows/ 6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness	MATE	ERIAL DESCRIPTION  Material Classification	USCS+	Remarks	UNFILTERED	FILTERED A	ling (pp	m)
1-HA	1					dark brown	silty, fine-grained SAND		w/ humus-organics	>1K	>1K		
2-HA	2					dark brown	silty, fine-grained SAND		w/ humus-organics	>1K			
					~								
									·				
									:				
				L									
											$\perp$	ightharpoons	
												$\bot$	
Man ma	k cocion	iter rock bro											
	nonitor read	ling in 6 foo	t intervals (	_			elevated response is read.		Drilli Backgrour	ng Ai Id (pp	rea om):[		
Convei	ted to	Well?			(	No	Well I	.D. #:					

PRO	JECT N	NAME:		NAS Per	nsacola		BORING NUM	BER:	SB88				
PROJECT NUMBER: DRILLING COMPANY:				0401			DATE:		09-Apr-97				
			NY:				GEOLOGIST:		D. Parker				
DRIL	LING F	RIG:					DRILLER:						
							ERIAL DESCRIPTION			0'	VA Read	ilng (pp	нπ)
Sample No. and	Depth (Ft.) or	Blows/6" or ROD	Sample Rcovery/	Lithology Change	Soil Density/ Consistency			U		Q			
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Color	Material Classification	S	Remarks	TER	FILTERED		
				Level		]	·	s		UNFILTERED	H		
						dark		+-					
1-HA	1	<u> </u>	<u>/</u>	į		brown	silty, fine-grained SAND		w/ humus-organics	15	15		
2-HA	2					dark brown	silty, fine-grained SAND		w/ humus-organics	>1K	>1K		
					-								
			$\overline{}$					+					
								-		$\vdash$			
								-					
			/_					<u> </u>					
				Ì									
				ŀ				+					
				ŀ		; ···· <u>p</u>		-					
		$\overline{}$		ŀ								_	
<del>  </del>		$\langle \cdot \rangle$	4	•		,		-					
				ŀ									
,										Ш			
			$\overline{}$										
			$\overline{}$	ŀ				1		П			
				f								$\neg$	
* When roo	k coring, e	nter rock br	okeness.		<u> </u>			<u> </u>					
" include r	nonitor rea	iding in 6 fo	ot intervals	@ borehole, li	ncrease readin	g frequency if	elevated response is read.		Drill	ing A	rea		
Remar	ks:								Backgrour			*	
	_												
Conve	rted to	Well?			(	No	Well I.	D. #:					

		NAME:		NAS Pe	nsacola		BORING NUME	BER:	SB89				
PROJ	IECT N	NUMBE	R:	0401			DATE:		09-Apr-97				
		OMPA	NY:				GEOLOGIST:		D. Parker				
DRILL	ING F	RIG:					DRILLER:						
							RIAL DESCRIPTION			0	VA Rea	ding (pp	жп)
Semple No. and	Depth (Ft.) or	Blows/ 6" or ROD	Sample Rcovery/	Lithology Change	Soil Density/ Consistency			U		B			
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Color	Material Classification	C	Remarks	EA.	FILTERED		
				Level				s		UNFILTERED	ᆵ		
						dark		_					
1-HA	1	/	/_			brown dark	silty, fine-grained SAND		w/ humus-organics	0	NΑ		
2-HA	2					prown	silty, fine-grained SAND		w/ humus-organics	>1K	>1K		
					-								
				Ī									
				ľ									
							·						
				ľ					:				
				ľ									
				ľ									
	<del>-  </del>		$\overline{}$	ŀ									
* When roc	k coring, e	nter rock bri	okeness.	@ borehole. In	crease reading	frequency #	elevated response is read.			<u> </u>			
				<u></u>		,			Drill	ing A	rea		
Remar	KS:								Backgrour	ıa (bl	om):[	····	
Conve	tod to	Malia			/	Nic	\A/_II + F	· #·					•
COLIVE	onverted to Well? No Well I.D. #:												

		NAME:		NAS Per	nsacola		BORING NUM	BER:	SB90				
		NUMBE		0401			DATE:		09-Apr-97				
		COMPA	NY:				GEOLOGIST:		D. Parker				
DRIL	LING F	RIG:					DRILLER:						
							RIAL DESCRIPTION			0	VA Rea	ling (pp	om)
Sample No. and	Depth (FL) or	Blows/6" or ROD	Sample Roovery/	Lithology Change	Soil Density/ Consistency			U		۵			
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Color	Material Classification	S	Remarks	E E	FILTERED		
				Level				s		UNFILTERED	F.		
								╀.		,			
1-HA	1					red	CLAY, w/ brown, silty, fine sand			0	NA		
2-HA	2					red	CLAY, w/ brown, silty, fine sand			0	NA		
		$\angle$	/				All participations and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec						
		$\angle$											
			$\angle$					<u> </u>					
·			$\overline{}$	ſ									
				Ī									
* When roc ** Include n				@ borehole, la	ncrease readin	g frequency if	elevated response is reed.						
Remar	ks [.]								Drilli Backgroun				
. venicij	,								, Dackgroun	(P)			
Converted to Well? No Well I.D. #:													

Page	1	of	1
raye	1	U	1



	( • (	اوا					BORING LOG						
PROJECT NAME: NAS Pensacola PROJECT NUMBER: 0401 DRILLING COMPANY:							BORING NUME	BER:					
				0401			GEOLOGIST:		09-May-00 Skip Barton			····	
	ING F						DRILLER:						
			<u> </u>	<u> </u>	1	MATE	ERIAL DESCRIPTION	Ε		0	VA Read	ling (no	·m)
Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS	Remarks	UNFILTERED	FILTERED	in ig (pp	
1-HA	1				moderately dense	brown	loamy, fine-grained SAND, w/		moist	0	NA		
2-HA	2						some clay			0	NA		
					moderately dense	дгау	medium-grained SAND, w/ trace		moist to very moist				
			$\angle$	\ \			silt			_			
					loose	white	medium- to coarse-grained		wet @ ≈ 15 ins.				
				\			SAND, w/ shell fragments		saturated @ ≈ 20 ins.				
									BGS				
										:			
						·							
							· · · · · · · · · · · · · · · · · · ·						
								_					
			$ \langle                                   $	,									_
				ļ									
						-							
				-			· · · · · · · · · · · · · · · · · · ·						
				ļ					·				
				ļ									
• \													
* When roo ** Include in Remar	nonitor rea	ding in 6 fo	ot intervals	@ borehole. I		g frequency if	elevated response is reed.	· .	Drilli Backgrour	ing A Id (pj			

Well I.D. #: ____

No

Yes



	_												
		IAME:		NAS Pe	nsacola		BORING NUME	BER:					
		UMBE		0401			DATE:		09-May-00				
		OMPA	NY:				GEOLOGIST:		Skip Barton				
DRILL	ING F	RIG:					DRILLER:						
				1	T	MATE	ERIAL DESCRIPTION	T		T _	VA Read	ding /pr	
Sample	Dapth	Blows/ 6"	Sample	Lithology	Soil Density/		I I I I I I I I I I I I I I I I I I I	· U		$\vdash$	VARIOR	m Ø (bb	<del>"",</del>
No. and Type or	(FL) or Run No.	or ROD (%)	Rcovery/ Sample	(Depth/Ft.)	Consistency or Rock			s		9	<u>a</u>	İ	
RQD			Length	or Screened	Hardness	Color	Material Classification	C	Remarks	UNFILTERED	FILTERED	į	
				Fasei		l		S		3	E		l
						rea to		╁		╁	$\vdash$		_
1-HA	1	<u>/_</u>	<u>/</u>	FI	loose	orange	medium-grained SAND, w/ trace		dry	0	NA		
2-HA	2			<u> </u>			silt			0	NA		
				1 \\ '	moderately	İ.			1 4				
					dense	brown	medium-grained SAND, w/ trace	-	hard, dry	┼			
				]			rounded qtz gravel						
				\	dense	dark brown and/or gray	medium-grained SAND		very moist to wet				
					loose	white	medium- to coarse-grained		wet @ ≈ 24 ins.	<u> </u>			
			/				SAND, w/ shell fragments	<u> </u>	saturated @ ≈ 30 ins.				
								1	BGS				
						, , , , , , , , , , , , , , , , , , , ,							
										<del> </del>			
┝─┤								$\vdash$		<del> </del>			
* When roo	k coring, e	nter rock bi	okeness.				<u> </u>	<u></u>		<u></u>	لـــــا		
				@ borehole,	Increase readir	ng frequency i	if elevated response is read.		Drill	ling A	∖rea		
Remar	rks:	BGS =	below g	ground su	rface				Backgroun	nd (p	pm):		
	• -												
	_												

No

Converted to Well? Yes

Well I.D. #:

Page	1	of	1
3-			



							<del>Domina Loa</del>								
PRO	JECT I	NAME:		NAS Pe	nsacola		BORING NUME	BER:	HA03						
		NUMBE		0401			DATE:		9-May-00						
		COMPA	NY:				GEOLOGIST:		Skip Barton						
DHILI	LING F	HG:					DRILLER:								
						MATI	ERIAL DESCRIPTION			0	VA Read	ding (p	pm)		
Sample No. and Type or RQD	Depth (FL) or Run No.	Blows/6* or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	0000.	Remarks	UNFILTERED	FILTERED				
1-HA	1				loose	rea to orange	medium-grained SAND, w/ trace		dry	0	NA				
2-HA	2			<u>                                     </u>			silt		·	0	NA				
					moderately dense	brown	medium-grained SAND, w/ some		damp						
							coarse and very coarse grains								
				\	dense	dark brown and/or gray	medium-grained SAND		moist to very moist						
	•				loose	white	medium- to coarse-grained		wet @ ≈ 20 ins.						
							SAND, w/ shell fragments		saturated @ ≈ 24 ins.						
									BGS						
								·							
				ļ											
												,			
			$\leq$												
				L											
					·										
* When rock ** Include m Remark	onitor read	ling in 6 too	ot intervals	e borehole. It		g frequency N	elevated response is read.		Drilli Backgroun	ing Ai			,		
Conver	Converted to Well? Yes No Well I.D. #:														



PRO		NAME:		NAS Pe	nsacola		BORING NUM	BER:	НА04				
PRO.	IECT N	NUMBE	R:	0401			DATE:		09-May-00				
DRIL	LING C	OMPA	NY:				GEOLOGIST:		Skip Barton	*************			
DRILI	JNG F	RIG:					DRILLER;						
							ERIAL DESCRIPTION			0'	VA Read	ding (p	pm)
Sample No. and	Depth (Ft.) or	Blows/6" or ROD	Sample Rcovery/		Soil Density/ Consistency			U		Ð			
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Color	Material Classification	S	Remarks	TERE	FILTERED		
				Level				s		UNFILTERED	듄		
					inoderately			<u>                                     </u>					_
1-HA	1	/_	/		dense	brown	loamy, fine-grained SAND, w/		moist	31	31		<u> </u>
2-HA	2	$\angle$	/_	\	moderately		some clay	<u> </u>		260	80		
			/	\	dense	gray	medium-grained SAND, w/ trace		moist to very moist				
				\			silt, w/ black staining	<u> </u>					
					loose	white	medium- to coarse-grained		wet @ ≈ 15 ins.				
							SAND, w/ shell fragments		saturated @ ≈ 20 ins.				
									BGS				
- 1													
				Ī								1	
				l									
												$\neg$	
				ŀ								$\neg$	
				ŀ									
				ŀ							$\dashv$		
				ŀ							$\neg \dagger$		
			$\overline{}$	ŀ							$\dashv$		
				ŀ								_	
		nter rock bro						1					
" Include II	ionitor rea	ding in 6 foo	x intervals	@ barehole, li	ncrease reading	g frequency if	elevated response is read.		Drill	ing Aı	rea		
Remar	ks: 1	BGS = t	oelow g	round su	rface				Backgrour				
	_												
Conve	ted to	Well?		Yes	(	No	Well I.	D. #:		******			



	PROJECT NAME: NAS Pensacola BORING NUMBER: HA05 PROJECT NUMBER: 0401 DATE: 09-May-00 PRILLING COMPANY: GEOLOGIST: Skip Barton												
				0401									
			ANY:				GEOLOGIST:		Skip Barton				
DKIL	LING F	(IG.					DRILLER:						
							ERIAL DESCRIPTION			0	VA Read	ting (pr	om)
Sample No. and Type or RQD	Oepth (Ft) or Run No.	Blows/6" or ROD (%)	Sample Roovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level		Color	Material Classification	U S C S •	Remarks	UNFILTERED	FILTERED		
1-HA	1				loose	red to orange	medium-grained SAND, w/ trace		dry	0	NA		
2-HA	2			\			silt			0	NA		
2-11/1				[_// <i>`</i>	moderately dense	brown	medium-grained SAND, w/ trace		hard, dry		INA		
							rounded qtz gravel						
				\	dense	dark brown and/or gray	medium-grained SAND		very moist to wet				
		$\angle$			loose	white	medium- to coarse-grained		wet @ ≈ 24 ins.				
							SAND, w/ shell fragments		saturated @ ≈ 30 ins.				
									BGS				
					·								
									·				
,													
					·								
		nter rock br ding in 6 foo		@ borehole. I	ncrease reading	g frequency if	elevated response is read.		Drill	ing A	геа		
Remar	ks: ]	BGS = I	pelow g	round su	rface				Backgrour				
Conve	Converted to Well? Yes No Well I.D. #:												



Yes

### **BORING LOG**

		ン											
PRO.	IECT N	NAME:		NAS Pe	nsacola		BORING NUME	BER:	HA06				
		NUMBE		0401			DATE:		09-May-00				
		OMPA	NY:				GEOLOGIST:		Skip Barton				
DRIL	ING F	RIG:					DRILLER:						
		T	<u> </u>		T	MATE	ERIAL DESCRIPTION	T		0	VA Resc	ling /po	m)
Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	⊃ Ø C.Ø •	Remarks	UNFILTERED	FILTERED		
1-HA	1				loose	red to orange	medium-grained SAND, w/ trace		dry	0	NA		
2-HA	2		/	<u> </u>			silt			0	NA		
		/	/		moderately dense	brown	medium-grained SAND, w/ trace	ļ	hard, dry			$\dashv$	
							rounded qtz gravel	<u> </u>					
				\	dense	dark brown and/or gray	medium-grained SAND		moist to very moist				
			$\angle$		loose	white	medium- to coarse-grained	<u>.</u>	wet @ ≈ 20 ins.			$\rightarrow$	
		$\angle$	$\angle$				SAND, w/ shell fragments	<u> </u>	saturated @ ≈ 24 ins.			-	
									BGS				
								<u> </u>				$\perp$	
								<u> </u>					
								ļ					
												_	
								<u> </u>				$\dashv$	
												_	
								<u> </u>					
												$\dashv$	
												$\dashv$	
												_	
·			4					ļ				$\dashv$	
				]				<u> </u>				$\dashv$	
				-								_	
								<u> </u>			<b></b>		
								<u> </u>				_	
*When roc	k coring e	oter rock br	okeness					<u> </u>					
				@ borehole. I	ncrease readin	g frequency if	elevated response is read.		L*:u:	ing A	roo.		
Remar	ks:	BGS = 1	below ¤	ground sw	rface				Backgroun				
									_ =====================================	- \\r	,. L		
	-												

Well I.D. #:_____

No



Page	1	of	1
5-			

							<u> </u>						
PRO.	JECT I	NAME:		NAS Pe	nsacola		BORING NUM	BER:	HA07				
PRO.	JECT I	NUMBE	ER:	0401			DATE:		09-May-00				
DRIL	LING (	COMPA	ANY:				GEOLOGIST:		Skip Barton				
DRIL	LING F	RIG:					DRILLER:						
	<u> </u>	T T	T		1	ΜΔΤΙ	RIAL DESCRIPTION	1				dia a ta	
Sample	Depth	Blows/ 6"		Lithology	Soil Density/		THAT DESCRIPTION	U		-	VA Rea	Jing (bi	) T
No. and Type or	(FL) or Run No.	or ROD (%)	Rcovery/ Sample	Change (Depth/Ft.)	Consistency or Rock			s		8	8		1
RQD			Length	or Screened	Hardness	Color	Material Classification	C	Remarks	UNFILTERED	FILTERED		
								S		3	=		
1 174					moderately					00	-		
1-HA	1			H-1	dense	brown	loamy, fine-grained SAND, w/	-	moist	80	80		_
				\	<u> </u>		some clay						
				\	moderately dense	gray	medium-grained SAND, w/ trace		very moist				
				\			silt, w/ black staining	1					
				`			Sitt, W/ Diack Stanling	1		$\vdash$			
									wet @ ≈ 11 ins.				
									saturated @ ≈ 14 ins.				
BGS													
								┼		$\vdash$			
							·						
			$\leftarrow$						·		-		
				-				<u> </u>		<b>  </b>			
			//								1	-	
				ſ									
				ŀ			· · · · · · · · · · · · · · · · · · ·				$\dashv$		
$\vdash$		$\leftarrow$	$\leftarrow$					ļ		<del>                                     </del>			
				L									
					ĺ				·				
				ľ									
-				ŀ							-		
<u> </u>		$\longrightarrow$		-									
											_		
$\vdash$	<del>-                                     </del>							-			$\dashv$	-	
· When seed	k cocing o	ator mak br											
		nter rock bri ding in 6 foo		@ borehole. Ir	ncrassa readin	g frequency if	elevated response is read.		_				
Da	lear 1	DCC 1	-1-		- <b>C</b>					ing A			<del>1</del>
Remar	KS:	p02 = [	pelow g	round sur	тасе			· ,	Backgrour	ia (bb	):(Iuv		
Conver	ted to	Well?		Yes	(	No	Well I.	D. #:					



PRO.	JECT N	NAME:		NAS Pensacola  BORING NUMBER: HA08									
		UMBE	R:	0401			DATE:		09-May-00				
DRIL	LING C	OMPA	ANY:				GEOLOGIST:		Skip Barton				
DRIL	LING F	RIG:					DRILLER:						
						MATE	ERIAL DESCRIPTION			0	VA Read	ding (p	pm)
Sample No. and	Depth (Ft.) or	Blows/6" or ROD	Sample Rcovery/	Lithology Change	Soil Density/ Consistency			U					
Type or RQD	Run No.	(%)	Sample Length	(Dapth/Ft.) or Screened	or Rock	Color	Material Classification	S	Remarks	ER	FILTERED		
1,45			l Cangan	Level	1,2,2,333		, and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of	s	Kemano	UNFILTERED	F		
		ļ.,	ļ.,			rea to		<u> </u>		<u>                                     </u>			
1-HA	1	/			loose	orange	medium-grained SAND, w/ trace		dry	0	NA		
2-HA	1.5			┝╗			silt			210	115		
					moderately dense	brown	medium-grained SAND, w/ trace		hard, dry				
							rounded qtz gravel						
				\	dense	dark brown and/or gray	medium-grained SAND w/ dark		very moist petroleum odor				
				·		,	gray or black staining		REFUSAL @ 18 ins.				
													·
									·				
				Ī					:				
		nter rock br ding in 6 fo		@ borehole. I	ncrease readin	g frequency if	e)evated response is read.						
Remar	ks:								Drill Backgrour	ing Ai id (pp			
	-									\. I	· L		
Conve	rted to	Well?		Yes	(	No	Well I.	D. <b>#</b> :					

_	_	_	
₽age	1	of	1



PROJECT NAME: PROJECT NUMBER: DRILLING COMPANY				NAS Pe	nsacola		BORING NUM	/IBER:	HA09				
PRO.				0401	_		DATE:		09-May-00				
			NY:				GEOLOGIST:		Skip Barton				
DRIL	LING F	RIG:					DRILLER:						
							ERIAL DESCRIPTION		-	0	VA Read	Jing (pr	om)
Sample No. and	Depth (Ft.) or	Blows/6" or ROD	Sample Rcovery/	Lithology Change	Soil Density/ Consistency			Ţυ		e			
Type or RQD	Run No.	(%)	Sample Length	(Depth/FL) or Screened	or Rock Hardness	Color	Material Classification	S	Remarks	TERE	FILTERED	:	
				Level				s		UNFILTERED	FRT		
						rea to					╂━━╂		-
1-HA	1		<u> </u>	<b>├</b> ─\\	loose	orange	medium-grained SAND, w/ trace		dry	0	NA		
2-HA	1.5			\			silt			0	NA		
					moderately dense	brown	medium-grained SAND, w/ trace		hard, dry				
				\			rounded qtz gravel						
					dense	dark brown and/or gray	medium-grained SAND		very moist				
					·				wet @ ≈ 16 ins.				
									saturated @ ≈ 18 ins.				
									BGS				
									·				
				Ī									
			$\overline{}$										
		$\overline{A}$		Ī					·				
				.									
	T												
				ŀ								$\dashv$	
	一十			-	· .			+				$\dashv$	
			$\overline{}$	-				-			-+	$\dashv$	
			$ \longrightarrow $	-								_	
				-									
							**************************************						
		nter rock bri ding in 6 foo		@ borehole. Ir	ncrease readin	g frequency if	elevated response is read.		D_:01	in ^	***		
Remar	ks: 1	BGS = I	oelow g	round sur	face				Backgroun	ing A Id (pr			
										151	, r		
Conve	ted to	Well?		Yes	(	No	Well I	.D. #:					



² age	1	of	I

PROJECT NAME: PROJECT NUMBER: DRILLING COMPANY:				NAS Pe	NAS Pensacola BORING NUMBER: HA10									
				0401				DATE:		09-May-00				
			NY:					GEOLOGIST:		Skip Barton				
DRIL	LING F	RIG:						DRILLER:						·····
						MATE	RIAL DESCRIP	PTION			0'	VA Res	ding (pl	pm)
Sample No. and	Depth (Ft.) or	Blows/6" or ROD	Sample Roovery/	Lithology Change	Soil Density/ Consistency				U	·	а			
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Color	Material C	Classification	S	Remarks	UNFILTERED	FILTERED		
				Level			,		s		SPE	7		
· -	ļ ————————————————————————————————————				moderately	<del> </del>					-			
1-HA	0.5		/_		dense	brown	loamy, fine-grain	ned SAND, w/		moist	13	5		
2-HA	1		_				some clay				65	42		
					moderately dense	gray	medium-grained	SAND, w/ trace		moist to very moist				
							silt, w/ black stai	ning						
										wet @ ≈ 10 ins				
										saturated @ ≈ 12 ins.				
	BGS													
													-	
	, " <u>"</u>									<u></u>				
									-					
				Ì						·				
				Ì						·			-	
				ŀ	,									
				ł										
				ŀ										
*When roo	k coring, e	nter rock br	okeness.	<u> </u>			Colorated				<u></u>			
						Pluadrauch i	elevated response is read	<b>.</b>			ing A			
Remarks: BGS = below ground surface										. Backgrour	ıd (bi	om):[		
_			***											
Conve	rted to	well?		Yes	(	(No)	ŧ	Well I.	ノ. #:					



Yes

	( = 1	U)					BURING LUG						
PROJ	IECT I	NAME:		NAS Pe	nsacola		BORING NUME	BER:	HA11				
		NUMBE	ER:	0401			DATE:		09-May-00		-		
		COMPA	NY:				GEOLOGIST:		Skip Barton				
DRILI	LING F	RIG:					DRILLER:						
		1			1	MATI	ERIAL DESCRIPTION			0	VA Rea	ding (pr	om)
Sample No. and	Depth (Ft.) or	Blows/ 6" or ROD	Sample Rcovery/	Lithology Change	Soil Density/ Consistency			U					Ī
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened Level	or Rock	Color	Material Classification	S C S	Remarks	UNFILTERED	FILTERED		
1-HA	1			=	loose	red to orange	medium-grained SAND, w/ trace		dry	0	NA		
2-HA	2			<u>                                     </u>			silt			70	21		
3-HA	3		$\angle$		moderately dense	brown	medium-grained SAND, w/ trace		hard, dry				
							rounded qtz gravel						
					dense	dark brown and/or gray	medium-grained SAND w/ dark		moist to very moist w/ faint petroleum odor				
				\		·	gray or black staining						
					loose	white	medium- to coarse-grained		wet @ ≈ 28 ins.				
							SAND, w/ shell fragments		saturated @ ≈ 33 ins.				
									BGS				
	. =												
							·						
				<u> </u>						L			
										L	igsquare		
				ļ								ightharpoonup	
											$\vdash$		
		$\langle \rangle$					·				<del>                                     </del>		
											<del></del>		
-		$\langle \rangle$		-							<del>                                     </del>	$\dashv$	
When mo	COSTING &	oter rock br	okanass										
		nter rock br ding in 6 foo		@ borehole, li	ncrease readin	g frequency if	elevated response is read.		. <b>D</b> .::::	n- ^	ro -		
Remar	ks:	BGS = 1	oelow g	round sui	rface				Drilli Backgroun				
	-						· · · · · · · · · · · · · · · · · · ·						_

No

Well I.D. #:



age	l	of	1	

		<u> </u>			_								
	JECT N	NAME: NUMBE	:Б.	NAS Pe 0401	nsacola	·-	BORING NUMB DATE:	BER:					
		OMPA		0401			GEOLOGIST:		09-May-00 Skip Barton				-
	LING F		W				DRILLER:		Skip Barton				
			<del>,                                     </del>		<del></del>			,		,			
Sample	Depth	Blows/ 6"	Sample	Lithology	Soil Density/		ERIAL DESCRIPTION	┨		<u> </u>	VA Read	ling (pp	om)
No. and Type or	(Ft.) or Run No.	or ROD (%)	Rcovery/ Sample	Change (Depth/Ft.)	Consistency			U		Q.	9		
RQD	,	,,	Length	or Screened Level		Color	Material Classification	C	Remarks	UNFILTERED	FILTERED		
		•		Leve				S	·	3	₹		
1-HA					loose	red to	madium aminal CAND m/			^	D.T.A		
	1				loose	orange	medium-grained SAND, w/ trace	<del> </del>	dry	0	NA		
2-HA	2			<u> </u>	moderately		silt	ļ		0	NA		
		/_			dense	brown	medium-grained SAND, w/ trace	<u> </u>	hard, dry				
				\	<u></u>	<del></del>	rounded qtz gravel						
				\	dense	dark brown and/or gray	medium-grained SAND		very moist				
			$\angle$		loose	white	medium- to coarse-grained		wet @ ≈ 20 ins.				
			saturated @ ≈ 24 ins.										
									BGS				
	``												
							X 10 10 10 10 10 10 10 10 10 10 10 10 10						
			$\overline{}$										
	<del> </del>			ŀ				-	A 1,000				
				ŀ	- /,								
			$\overline{}$	ŀ			·						
	∤	$\longrightarrow$	$\leftarrow$	}						-			
							······································						
		nter rock bro ding in 6 foo		@ borehole. I	ncrease readin	g frequency if	elevated response is read.		Drilli	ina ^	ree		
Remar	ks: ]	BGS = I	oelow g	round sw	rface				Backgrour				
Conve	rted to	Well?		Yes	(	No	Well I.I	D. #:					

### ROPING LOG

							BORING LOG						
PRO.	JECT I	NAME:		NAS Pe	nsacola		BORING NUME	BER:	HA13				
		NUMBE	R:	0401			DATE:		09-May-00		-		
DRILI	LING	OMPA	NY:				GEOLOGIST:		Skip Barton				
DRILI	LING F	RIG:					DRILLER:						
			T	7	T	MATE	ERIAL DESCRIPTION	T			V/A D		
Sample	Depth	Blows/ 6"	Sample	Lithology	Soil Density/	T T	I I I I I I I I I I I I I I I I I I I	U		-	VA Rea	ang (pp	)m)
No. and Type or RQD	(FL) or Run No.	or ROD (%)	Roovery/ Sample Length	Change (Dapth/Ft.) or Screened Level	Consistency or Rock Hardness	Color	Material Classification	S	Remarks	UNFILTERED	FILTERED		
								S		3	<u> </u>		
1-HA	0.5	/	$\mathbb{Z}$		moderately dense	brown	loamy, fine-grained SAND, w/		moist	31	31		
2-HA	1						some clay			38	20		
					moderately dense	gray	medium-grained SAND, w/ trace		moist to very moist w/ faint petroleum odor				
				]			silt, w/ black staining						
									wet @ ≈ 10ins.				
									saturated @ ≈ 13 ins.				
									BGS				
									1.000				
							***************************************						
									·				
*													
*When rock ** Include in	k coring, e nonitor rea	nter rock bro ding in 6 foo	okeness. ot intervals	@ borehole. Id	ncrease readin	g frequency if	elevated response is read.						
Remar	ks:	BGS = l	oelow g	round su	rface				Drilli Backgroun	ing Ai id (pp			
	-												
Conve	rted to	Well?		Yes	(	No	Well I.	D. #:				- A.T.	



### **BORING LOG**

	<u></u>												
				NAS Pe	nsacola		BORING NUME	BER:					
	Sample Depth Blows/6" Sam			0401			DATE:		09-May-00				
	DRILLING RIG:  Sample Depth Blows/6" Sam No. and (FL) or or ROD Roo Type or Run No. (%) Sam			-			GEOLOGIST: DRILLER:		Skip Barton				
DKILL	-1146 F	.iG.					DRILLER;						
							ERIAL DESCRIPTION			0	VA Read	ding (pr	p <b>m</b> )
No. and Type or	(FL) or	or ROD	Sample Reovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	U S C S +	Remarks	UNFILTERED	FILTERED		
1-HA	1				loose	red to orange	medium-grained SAND, w/ trace		dry	0	NA		
	-				10030	Orange		<del>                                     </del>	dry	1			
2-HA	2		-	<u> </u>	moderately		silt	<del>                                     </del>		0	NA		-
3-HA	3	$\langle \cdot \rangle$			dense	brown	medium-grained SAND, w/ trace		hard, dry				
							rounded qtz gravel						
				\	dense	dark brown and/or gray	medium-grained SAND		moist to very moist				
						white	medium- to coarse-grained		wet @ ≈ 28 ins.		-		
					loose		SAND, w/ shell fragments		saturated @ ≈ 31 ins.				
									BGS				
									·				
				-									
									,				
** Include n	onitor rea	-	ot intervals	@ borehole. i		g frequency if	alevated response is read.		Drilli Backgrour	ing A nd (pp			
Conve	ted to	Well?		Yes	(	No	Well I.	). <b>#</b> :					



		NAME:		NAS Pe	nsacola		BORING NUME	BER:					
		NUMBE		0401			DATE:		09-May-00				
	LING ( LING F	COMPA	NY:				GEOLOGIST:		Skip Barton				····
DRIL	LING F	(IG:					DRILLER:						
							RIAL DESCRIPTION			0	VA Read	ing (pp	) (ITIC
Sample No. and Type or RQD	Depth (Fl.) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soit Density/ Consistency or Rock Hardness	Color	Material Classification	U S C S	Remarks	UNFILTERED	FILTERED		
1-HA	1				loose	red to orange	medium-grained SAND, w/ trace		dry	0	NA		
2-HA	2			<u>                                     </u>			silt			0	NA		
					moderately dense	brown	medium-grained SAND, w/ sparse		hard, dry				
				//		dark brown	rounded qtz gravel						
				\	dense	and/or gray	medium-grained SAND		moist to very moist				
					loose	white	medium- to coarse-grained		wet @ ≈ 20 ins.				
							SAND, w/ shell fragments		saturated @ ≈ 24 ins.				
			$\overline{}$						BGS				
												-	
	_											_	
				ł							$\Box$	-	
				ļ								$\dashv$	
				Ī				A-16					
							**************************************						
				-								$\dashv$	
			$\langle  $	-								$\dashv$	
* When roc	c coring, e	nter rock bro	okeness					******	-	<b>1</b>			
	ionitor rea	ding in 6 foo	ot intervals	@ borehole. Ir round sur		frequency if	elevated response is read.		Drilli Backgroun	ing A Id (pp		····	
Conve	ted to	Well?		Yes		No	Well I.C	D. #:					



Page	1	of	1

PROJECT NAME:				NAS Pe	nsacola		BORING NUMI	BER:	HA16				
	JECT NUMBER: LING COMPANY:			0401	· ·		DATE:		09-May-00			<del></del>	
DRIL	LING C	OMPA	NY:				GEOLOGIST:		Skip Barton				
DRIL	LING F	RIG:					DRILLER:						
							ERIAL DESCRIPTION			0'	VA Read	jing (pr	pm)
Sample No. and Type or	Depth (Ft.) or	Blows/ 6" or ROD	Rcovery/	Change	Soil Density/ Consistency or Rock			U		Q.	Q.		
RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened		Color	Material Classification	C	Remarks	UNFILTERED	FILTERED		
				Level				S		P. P.	년		
1-HA	0.5				moderately dense	brown	loamy, fine-grained SAND, w/	T	moist	35	35		
2-HA	1				CONST	OTOWN	some clay		moist	160	80		
2-117	1			\	moderately				moist to very moist w/	100	80		
			$\overline{}$		dense	gray	medium-grained SAND, w/ trace	<del> </del>	petroleum odor				-
-			$\overline{}$				silt, w/ black staining	_					
			$\overline{}$						wet @ ≈ 10 ins.				
									saturated @ ≈ 13 ins.				
			$\angle$						BGS				
					-								
				Ī									
	İ			ľ									
				ŀ									
	- I			.				-	**************************************				
				ŀ	·		,						
			$\overline{}$					_	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		-		
				ŀ									
		$\langle \cdot \rangle$											-
* When roc				@ borehole, la	ncrease readin	g frequency if	elevated response is reed.						
Remar	ko. 1	DCS 1	nalow ~	mound are	<del>f</del> ace				Drill Backgrour	ing A			
r/eiiidi	NO	- COO	erow B	round sur	Tace				Dackgroun	.u (p)			
0		141: UO		V			121 111	, Jr.					
Conve	erted to Well? Yes No Well I.D. #:												



⊃age	1	of	1
•			

	( • '	رما					BURING LUG						
	JECT N			NAS Pe	nsacola		BORING NUME	BER:					
		NUMBE		0401	- <del></del>		DATE:		09-May-00				
		OMPA	NY:				GEOLOGIST:		Skip Barton				
DRILI	LING F	RIG:			·		DRILLER:						
		]				MATI	ERIAL DESCRIPTION			0	VA Read	ling (pp	m)
Sample No. and Type or RQD	Depth (Ft) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	U S C S *	Remarks	UNFILTERED	FILTERED		
1-HA	1				loose	red to orange	medium-grained SAND, w/ trace		dry	0	NA		
2-HA	2			<u> </u>			silt			23	23		
3-HA	3				moderately dense	brown	medium-grained SAND, w/ trace		hard, dry				
							rounded qtz gravel		·	ĺ			
					dense	dark brown and/or gray	medium-grained SAND, w/ dark		moist to very moist W/ faint petroleum odor				
				\			gray or black staining						
				:	loose	white	medium- to coarse-grained		wet @ ≈ 26 ins.				
							SAND, w/ shell fragments		saturated @ ≈ 30 ins.				
						•			BGS				
													一
			$\overline{}$	j									
				[									
				}									
,													
													$\Box$
* When roc				_									
** Include n	nonitor rea	ding In 6 fo	ot intervals	@ borehole. I	ncrease readin	ng frequency i	f elevated response is read.		Dell	ina ∆	rea		
Remar	ks: 1	3GS = 1	below g	round sur	face		Drilling Area  Background (ppm):						
	_										_		

Well I.D. #:

No

Yes



NAS Pensacola

Page	1	of	1

	PROJECT NUMBER: DRILLING COMPANY:						DATE:		09-May-00				
			NY:	GEOLOGIST: Skip Barton DRILLER:									
DRÍLI	LING F	RIG:					DRILLER:						
	r	T	T	1	T	MATE	ERIAL DESCRIPTION	T					
Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level		Color	Material Classification	U S C S *	Remarks	UNFILTERED	FILTERED YA	ding (pp	m)
1-HA	1				loose	red to orange	medium-grained SAND, w/ trace		dry	0	NA		
2-HA	2						silt			0	NA		
					moderately dense	brown	medium-grained SAND, w/ sparse		damp				
							rounded qtz gravel		·				
				\		dark brown and/or gray	medium-grained SAND		very moist to wet				
									wet @ ≈ 23 ins.				
									saturated @ ≈ 26 ins.				
									BGS				
						·							
** Include π	ionitor rea		x intervals (	@ borehole. In		g frequency if	elevated response is reed.		Drilli Backgroun			M-14-20-14-20-14-14-14-14-14-14-14-14-14-14-14-14-14-	
	-		5							- \٢١			
Conve	onverted to Well I.D. #:												

BORING NUMBER: HA18

Page	1	of	1
ı ayc		OI.	

Well I.D. #:



Converted to Well?

Yes

No

PROJ	ECT N	NAME:		NAS Pe	nsacola		BORING NUME	BER:	HA19				
PROJ	ECT N	NUMBE	R:	0401			DATE:		09-May-00		~~~		
DRILL	ING C	OMPA	NY:				GEOLOGIST:		Skip Barton				
DRILL	ING F	RIG:					DRILLER:						
			T	1	<del></del>	MATE	ERIAL DESCRIPTION	1	1				
Sample	Depth	Blows/ 6"	Sample	Lithology	Soil Density/		I I I I I I I I I I I I I I I I I I I	U		-	/A Read	ing (pp	)m)
No. and Type or RQD	(FL) or Run No.	or ROD (%)	Rcovery/ Sample Length	Change (Depih/Ft.) or Screened Level	Consistency or Rock Hardness	Color	Material Classification	S C S *	Remarks	UNFILTERED	FILTERED		
1-HA	0.5				moderately dense	brown	loamy, fine-grained SAND, w/		moist	40	40		
2-HA	1			\			some clay			4	4		
				Ì	moderately dense	gray	medium-grained SAND, w/ trace		moist to very moist w/ faint petroleum odor				
							silt, w/ faint black staining						
									wet @ ≈ 10 ins.				
									saturated @ ≈ 12 ins.				
									BGS				
					·								
									·				
				L									
				L									
				L									
*When rock ** Include m Remari	onitor rea	ding in 6 foo	ot intervals	@ borehole. Ir		j frequency if	elevated response is read.		Drilli B <b>ac</b> kgroun	ng Aı d (pp	rea om):[		

# Tt

RO	JECT N	NAME:		NAS Pe	nsacola		BORING NUME	BER:	HA20				
		NUMBE		0401			DATE:		09-May-00				
		OMPA	NY:				GEOLOGIST:		Skip Barton				
RIL	LING F	RIG:			· 		DRILLER:					-	
6			l			MATI	RIAL DESCRIPTION				VA Read	dina (pi	om)
-mple	Depth	Blows/ 6"	Sample	Lithology Change	Soil Density/ Consistency	T		U				,g (p)	T
ା and pe or	(Ft.) or Run No.	or ROD (%)	Rcovery/ Sample	(Depth/Ft.)	or Rock	1		S		ER I	₽		
RQD			Length	or Screened Level	Hardness	Color	Material Classification	CS	Remarks	UNFILTERED	FILTERED		
								•		5			
-НΑ	1			=7\	loose	red to orange	medium-grained SAND, w/ trace		dry	0	NA		
-НА	2			/ /			silt		4	22	18		
∃-НА	3				moderately dense	brown	medium-grained SAND, w/ trace		hard, dry				
							rounded qtz gravel						
				. \	dense	dark brown and/or gray	medium-grained SAND, w/ faint		moist to very moist w/ faint petroleum odor				
-				\			dark gray or black staining						
					loose	white	medium- to coarse-grained		wet @ ≈ 26 ins.				
							SAND, w/ shell fragments		saturated @ ≈ 28ins.				
									BGS				
<del>  </del>												$\dashv$	
			$\leftarrow$								$\dashv$	$\dashv$	
		$\longrightarrow$	$\overline{}$										
<b>-</b>		$\langle \; \rangle$											
				l			`						
	Į												
				Ī			an an hang an gang kacamatan dan dan pinang ang ang ang ang ang kanaban dan da di 10 di 10 di 10 di 10 di 10 d				$\neg$	$\neg$	
				Ì							十	$\dashv$	$\dashv$
			$\overline{}$								$\dashv$	$\dashv$	$\dashv$
			$\overline{}$								$\dashv$	-	-
			4	}									_
			$ \langle                                   $								4	$\dashv$	$\dashv$
							,						
* When roc ** Include n				@ borehole. is	ncrease reedin	g frequency if	elevated response is read.		-				
Dom:-	lene 1	n // c - 1			<del>-f</del> oos					ng Ai			
Remar	KS.	BUS = [	below g	round sui	TACE	<del></del>			Backgroun	u (pp	an):[	<del></del>	
	-		***************************************	<del></del>						······································		<del></del>	
Conve	erted to Well? Yes No Well I.D. #:												

Page	1	of	i



ROJECT NAME: ROJECT NUMBER:		NAS Pe	nsacola		BORING NUME	BER:							
				0401			DATE:		09-May-00				
		COMPA	NY:				GEOLOGIST:		Skip Barton				
RILI	ING F	RIG:					DRILLER:						
		T	<u> </u>	T	T T	MATI	RIAL DESCRIPTION	T			VA Read	ding (ne	
ample to, and ∫ype or RQD	Depth (Ft.) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/FL) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	U S C S •	Remarks	UNFILTERED	FILTERED	Jang (pp	MI)
1-HA	1		$\angle$		loose	red to orange	medium-grained SAND, w/ trace		dry	0	NA		
2-HA	1.5		/_				silt			0	NA		
					moderately dense	brown	medium-grained SAND, w/ sparse		hard, dry				
				\	dense	dark brown	rounded qtz gravel						
						and/or gray	medium-grained SAND		very moist				
									wet @ ≈ 16 ins.				
									saturated @ ≈ 18 ins.				
									BGS				
												-	
				-									
				-									
		$ \langle                                   $											
<b> </b>													
				-								_	
				-									
		$\langle \cdot \rangle$											
				}-									
		$\langle \rangle$		. <b> </b>						<b></b>		_	
				-							_	_	
			$ \langle                                   $	-								_	_
				-									
				-							$\dashv$		_
	_			-					·		$\dashv$		_
* When rock	corine e	ter rock has	kenese										
	onitor reac	ling in 6 too	tintervala (	g borehole. In		frequency if	alevated response is read.	<u></u>	Drilli Backgroun	ing Ai id (pp			
Conver	onverted to Well? Yes No Well I.D. #:												

	 ~
-	H
1	G
L	

Page 1 of 1	⊃age	1	of	1	
-------------	------	---	----	---	--

	JECT I			NAS Pe	nsacola			NUMBER: HA22					
	JECT N			0401			DATE:		09-May-00				
	LING (		NY:				GEOLOGIST:		Skip Barton				
DRIL	LING F	liG:		4			DRILLER:					·	
	T			T T	1	MATE	RIAL DESCRIPTION			0	VA Rea	dina (c	nom)
Sample No. and		Blows/ 6" or ROD	Sample Rcovery/	Lithology Change	Soil Density/ Consistency	T		d u				Cirio (F	T
Type or RQD	Run No.	(%)	Sample	(Depth/Ft.)	or Rock	Color	Material Classification	S	Remarks	UNFILTERED	RED		
RQD			Length	or Screened Level	Hardness	CORD	Waterial Classification	s	Remarks	7	FILTERED		
								*		5			
1-HA	0.5				moderately dense	brown	loamy, fine-grained SAND, w/		moist	8	4		
2-HA	1						some clay			2	2		
					moderately dense	gray	medium-grained SAND, w/ trace		moist to very moist w/ v. faint petroleum odor				
							silt, w/ faint black staining						
							·		wet @ ≈ 10 ins.				
									saturated @ ≈ 12 ins.				
				·					BGS				
						·							
				]									
											$\perp$		
				1							$\bot$		
										_			
										_	_	_	
				1							$\perp$		
Man -	t continu										$\perp$		
' include i	ok coring, er monitor ree	ling in 6 foo	na ross. I intervals (	@ borehole, Ir	ncrease readin	g frequency if	elevated response is read.		Daille	ng Ar	'e2		
Remai	rks:	3GS = t	elow g	round sur	face				Backgroun				
	-												
Conve	rted to	Well?		Yes	(	No	Well I.I	D. #:					

Page	1	of	1



DDO	IFOT A			MAC D.			DODING AN IMP	TED.	11100				
	JECT N	NAME: NUMBE	: D·	NAS Pe 0401	nsacola		BORING NUME DATE:	BEK:	3 P. M				
				0401			GEOLOGIST:		09-May-00 Skip Barton				
	LING F		MINI,			<del></del>	DRILLER:		Skip Daiton	-			
Sample	Depth	Blows/6"	Sample	Lithology	Soil Density/		RIAL DESCRIPTION	١		0	VA Read	ling (pp	pm)
No. and	(Ft.) or	or ROD	Rcovery/	Change	Consistency			U S		B			
Type or RQD	Run No.	(%)	Sample Length	(Depth/FL) or Screened	or Rock Hardness	Color	Material Classification	C	Remarks	UNFILTERED	FILTERED		
1				Level				S		S S	=	I	
						red to		<u> </u>					
1-HA	1		<u>/</u>	=7	loose	orange	medium-grained SAND, w/ trace		dry	120	70		
2-HA	1.5						silt			220	90		
					moderately dense	brown	medium-grained SAND, w/		hard, dry				
				\		ĺ	rounded qtz gravel					1	
					dense	dark brown and/or gray	medium-grained SAND, w/		petroleum odor				
							dark gray or black staining						
									wet @ ≈16 ins.				
									saturated @ ≈ 18 ins.				
									BGS				
											$\bot$		
				1									
				-								_	
				}									
		$\langle  $	$ \langle                                   $								_		
											$\dashv$		
				-							_		
				_									
* When roc	k coring, er nonitor read	iter rock bri ding in 6 for	okeness. ot intervals	@ borehole, in	ncrease reading	g frequency if	elevated response is read.		D_22	in *			
Remar	ks: ]	3 <b>G</b> S = 1	below g	round sur	face				Backgrour	ing Aı ıd (pp			
	_										<u> </u>		
Conve	rted to	Well?		Yes	(	No	Well 1.	D. <b>#</b> :					

		니
1	17	GI
L		

Page	I	of	1

	=			
PROJECT NAME:	NAS Pensacola	BORING NUMBER:	HA24	
PROJECT NUMBER:	0401	DATE:	09-May-00	
ORILLING COMPANY:		GEOLOGIST:	Skip Barton	
ORILLING RIG:		DRILLER:		

							RIAL DESCRIPTION			0	VA Ree	ding (pp	om)
Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/6" or ROD (%)	Semple Rcovery/ Sample Length	Lithology Change (Depth/FL) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	บ	Remarks	UNFILTERED	FILTERED		
1-HA	1				loose	red to orange	medium-grained SAND, w/ trace		dry	0	NA		
2-HA	1.5						silt			0	NA		
					moderately dense	brown	medium-grained SAND, w/ sparse		hard, dry				
				\	dense		rounded qtz gravel						
				-		dark brown and/or gray	medium-grained SAND		very moist				
									wet @ ≈ 16 ins.				
									saturated @ ≈ 18 ins.				
									BGS				
							· ·						
													_
													_
													_
													_
													_
													_
			$ \langle                                   $									_	_
		$\langle \rangle$											_
													_
		$\langle \rangle$	$ \langle                                   $	-		-							_

		Drilling Area
Remarks:	BGS = below ground surface	Background (ppm):

Converted to Well?

Yes

No

Well i.D. #:

^{*} When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervels @ borehole. Increase reading frequency if elevated response is read.



Page	1	of	1
aye	1	OI	Ţ

PRO.	IECT N	IAME:		NAS Pe	AS Pensacola BORING NUMBER: HA25								
		IUMBE		0401			DATE:		10-May-00				
		OMPA	NY:				GEOLOGIST:		Skip Barton				
DRIL	LING F	RIG:				·	DRILLER:						
<b></b>		1	T	T		MATE	RIAL DESCRIPTION	Г	T	0	VA Rea	ding (pr	m)
Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	U S C S *	Remarks	UNFILTERED	FILTERED	arig (pp	
1-HA	0.5				moderately dense	brown	loamy, fine-grained SAND, w/		moist	0	NA		
2-HA	1						some clay			3	3		
					moderately dense	gray	medium-grained SAND, w/ trace		moist to very moist				
							silt						
									wet @ ≈ 10 ins.			_	
									saturated @ ≈ 12 ins.			ļ	
					. <u>.</u>				BGS				
								ļ					
							· · · · · · · · · · · · · · · · · · ·				-		
<u> </u>						-		<u> </u>					
<del>                                     </del>													
			$\langle \cdot \rangle$					-		ļ			
				-									
			$\leftarrow$			-							
			4	-	· ·			_					
			$\leftarrow$	}									
			-							$\mid - \mid$			
				}									
* When roo	k coring, e	nter rock br	rokeness.					<u> </u>					
** Include I				@ borehole. I		g frequency if	elevated response is read.		Drill Backgrour	ing A nd (p _l			
Conve	rted to	Well?		Yes	(	No	Well I.I	 D. #:					



PRO	JECT I	NAME:		NAS Pensacola BORING NUMBER: HA26									
		NUMBE		0401			DATE:		10-May-00				
		COMPA	NY:				GEOLOGIST:		Skip Barton				
DRILI	LING F	RIG:					DRILLER:						
				T	T	MATE	ERIAL DESCRIPTION	T		O'	VA Read	dina /a	om)
Sample	Depth	Blows/6"		Lithology	Soil Density/		T T T T T T T T T T T T T T T T T T T	٠,				G., 19 ()	T
No. and Type or	(Ft.) or Run No.	or ROD (%)	Rcovery/ Sample	Change (Depth/Ft.)	Consistency or Rock	<b>l</b> .		S		UNFILTERED	9		
RQD			Length	or Screened Level	Hardness	Color	Material Classification	C	Remarks	1	FILTERED		
								S		3	Œ		
1-HA	0.5				moderately dense	brown	loamy, fine-grained SAND, w/		moist	15	15		T
2-HA	1			\			some clay			16	11		T
	-				moderately dense	gray	medium-grained SAND, w/ trace		moist to very moist w/ faint petroleum odor				十
							silt		·				
									wet @ ≈ 12 ins.				
									saturated @ ≈ 14 ins.				
									BGS				
									·				
									·				
				[			· .						
							,						
									-				
				ľ									
				Ī									
	ĺ			Ī									
	Ĭ			ľ									
				ľ							$\top$		
		nter rock bri ding in 6 foo		@ borehola. Ir	crease reading	frequency if	elevated response is read.			_	<u>-</u>		
Remar	ks:	BGS = l	oelow g	round sur	face				Drilli Backgroun	ng Ar d (pp		·····	
	-												
Conve	rted to	Well?		Yes	(	No	Well 1.	D. #:					

Page	1	of	1
-3-	-	•	-



PRO	IECT N	IAME:		NAS Pe	nsacola		BORING NUME	BER:							
PRO.	JECT N	UMBE	R:	0401			DATE:		10-May-00						
DRILI	LING (	OMPA	NY:				GEOLOGIST:		Skip Barton						
DRIL	LING F	RIG:					DRILLER:								
			1	T		MATI	ERIAL DESCRIPTION	T		0	VA Read	dina /o	~m)		
Sample	Depth	Blows/6"	Sample	Lithology	Soil Density/	T	I Decoral Front	U				711-19 (P7	J,		
No. and Type or	(FL) or Run No.	or ROD (%)	Rcovery/ Sample	Change (Depth/Ft.)	Consistency or Rock			S		RED	8				
RQD		, , , ,	Length	or Screened	Hardness	Color	Material Classification	C	Remarks	UNFILTERED	FILTERED	1			
				Level	l			S		3	Ε.				
-				-	moderately	<del> </del>		$\vdash$		-		$\vdash$	-		
1-HA	0.5		<u>/</u>		dense	brown	loamy, fine-grained SAND, w/	<u> </u>	moist	11	1		1		
2-HA	1			\			some clay			65	45				
				1	moderately			T	moist to very moist w/						
			-		dense	gray	medium-grained SAND, w/ trace	╂	petroleum odor						
							silt, w/ black staining								
			$\angle$						wet @ ≈ 11 ins.						
									saturated @ ≈ 14 ins.						
									BGS						
					•										
						-									
									-						
							***************************************								
1							***************************************								
								<u> </u>			-				
				ľ											
				Ì											
			$\overline{}$	ŀ											
$\vdash$		$\leftarrow$		}						$\vdash$					
* When roo	ck coring, e	nter rock br	okeness.						<u> </u>						
** Include i	monitor rea	ding in 6 fo	ot intervals	@ borehole. i	ncresse readin	ig frequency i	f elevated response is read.		Drill	ing A	геа				
Remai	rks:	BGS =	below g	ground su	rface				Backgrour						
											11-11-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1				
Conve	overted to Well? Yes No Well I.D. #:														



PRO	JECT I	NAME:	HA28												
PRO	JECT I	NUMBE	R:	0401			DATE:		10-May-00						
DRIL	LING (	OMPA	NY:				GEOLOGIST:		Skip Barton						
DRIL	LING F	RIG:					DRILLER:								
		,			0-11 0		ERIAL DESCRIPTION			0	VA Rea	ding (pp	om)		
Sample No. and	Depth (Ft.) or	Blows/ 6" or ROD	Sample Rcovery/	Lithology Change	Soil Density/ Consistency			U		e e	١,				
Type or RQD	Run No.	(%)	Sample Length	(Depth/Ft.) or Screened	or Rock Hardness	Color	Material Classification	C	Remarks	TER	FILTERED		•		
				Level	1			S		UNFILTERED	<u>F</u>				
			<del>                                     </del>	-	moderately	<del> </del>		ļ		_	_				
1-HA	0.5		/_		dense	brown	loamy, fine-grained SAND, w/	-	moist	10	10	<u> </u>	<u> </u>		
2-HA	1	<u>/</u>	/_	\	moderately		some clay	ļ	moist to very moist w/	46	29				
				<u> </u>	dense	gray	medium-grained SAND, w/ trace		petroleum odor						
							silt, w/ black staining	l					Ì		
									wet @ ≈ 10 ins.						
								_	saturated @ ≈ 12 ins.						
									BGS						
													:		
<u>}</u> }															
				.				<u> </u>							
				Ì		****		ļ .							
				•				┢							
			$\overline{}$	ŀ											
							·								
			$\leftarrow$	}				-							
		$\longrightarrow$	$\langle - \rangle$	}				-							
* When roo	k corina. e	nter rock br	okeness.					<u> </u>							
				@ borehole. I	ncrease readin	g frequency i	f elevated response is read.		Drill	ing A	rea				
Remar	ks:	BGS =	below g	round su	rface				Backgrour						
Conve	onverted to Well? Yes No Well I.D. #:														

Page	1	of	1
-3-	-	•	-



Yes

No

Converted to Well?

### **BORING LOG**

	( -						BURING LUG						
PRO.	ECT N	NAME:		NAS Pe	nsacola		BORING NUME	BER:	HA29				
		UMBE	R:	0401			DATE:		10-May-00				
DRIL	LING C	OMPA	NY:				GEOLOGIST:		Skip Barton				
DRIL	ING F	RIG:					DRILLER:						
				1	1	MAT	RIAL DESCRIPTION	T					
Sample	Depth	Blows/ 6"	Sample	Lithology	Soil Density/	T	T	ا ل			VA Read	m (Q (PP	,,,, 
No. and Type or RQD	(Ft.) or Run No.	or ROD (%)	Rcovery/ Sample Length	Change (Depth/Ft.) or Screened Lavel	Consistency or Rock Hardness	Color	Material Classification	S C S	Remarks	UNFILTERED	FILTERED		
1-HA	0.5	$\angle$	/		moderately dense	brown	loamy, fine-grained SAND, w/		moist	0	0		
2-HA	1						some clay			180	105		
		$\angle$	$\angle$		moderately dense	gray	medium-grained SAND, w/ trace		moist to very moist w/ petroleum odor				
							silt, w/ black staining						
									wet @ ≈ 10 ins.				
									saturated @≈ 12 ins.				
									BGS				
									4.0				
	ĺ												
				ļ									
									·				
When roc	k coring, ei nonitor rea	nter rock bri ding in 6 foo	okeness. ot intervals	@ borehole, id	ncrease reading	g frequency if	elevated response is read.						
										ing A			
Remar	ks: ]	BGS = 1	pelow g	round sui	tace			·	Backgrour	ıd (pp	):(mc		
	-							<u></u>	· · · · · · · · · · · · · · · · · · ·	<del></del>			

Well I.D. #: ____

Page	1	of	1
	-	•.	•



Yes

No

### **BORING LOG**

		7)					BURING LUG								
PROJEC	CT NA	ME:		NAS Per	nsacola		BORING NUME	BER:	: HA30						
PROJEC			R:	0401			DATE:		10-May-00			·			
DRILLIN			NY:				GEOLOGIST:		Skip Barton						
DRILLIN	IG RIG	3:					DRILLER:		·····						
				T		MATE	RIAL DESCRIPTION	T		0	VA Rea	dina (pr	om)		
		lows/6" r ROD	Sample Rcovery/	Lithology Change	Soil Density/ Consistency			U				3,,,,	ĺ		
		(%)	Sample Length	(Depth/FL) or Screened Level	or Rock Hardness	Color	Material Classification	s c s	Remarks	UNFILTERED	FILTERED				
1-HA 0	).5		$\angle$	_	moderately dense	browп	loamy, fine-grained SAND, w/		moist	16	6				
2-HA	1						some clay			160	200				
					moderately dense	gray	medium-grained SAND, w/ trace		moist to very moist w/ petroleum odor						
							silt, w/ black staining								
									wet @ ≈ 10 ins.						
	$\perp$								saturated @ ≈ 12 ins.						
									BGS						
						·									
	$\perp$			L											
							·								
				_											
											·				
					·										
				L											
	$\bot$						· · · · · · · · · · · · · · · · · · ·								
							· · · · · · · · · · · · · · · · · · ·								
* When rock cori ** Include monito				@ borehole. In	ncrease reading	frequency if	elevated response is read.								
Rema <b>rks</b> :	BG	3S = b	elow g	round sur	face				Drilli Backgrour	ing A nd (pr					

Well I.D. #:



### POPING LOG

Page	1	of	1
_			

							BORING LOG						
PRO.	JECT I	NAME:		NAS Pe	nsacola		BORING NUME	BER:	HA31				
		NUMBE	R:	0401			DATE:		10-May-00				
DRILI	LING (	OMPA	NY:			***************************************	GEOLOGIST:		Skip Barton				
DRIL	LING F	RIG:					DRILLER:						
	l .	T		T		ΝΑΔΤ	ERIAL DESCRIPTION				VA D	din n. / n	
Sample	Depth	Blows/ 6"	Sample	Lithology	Soil Density/	IVICIE	THE DESCRIPTION	U		- 0,	OVA Reading (ppm)		
No. and Type or RQD	(Ft.) or Rum No.	or ROD (%)	Rcovery/ Sample Length	Change (Depth/Ft.) or Screened Level	Consistency or Rock Hardness	Color	Material Classification	S C S	Remarks	UNFILTERED	FILTERED		
1-HA	0.5		$\angle$		moderately dense	brown	loamy, fine-grained SAND, w/		moist	0	0		
2-HA	1			\			some clay			31	15		
					moderately dense	gray	medium-grained SAND, w/ trace		moist to very moist w/ faint petroleum odor				
							silt, w/ faint black staining						
									wet @ ≈ 11 ins.				
									saturated @ ≈ 13 ins.				
						·			BGS				
									,				
									·		_	$\dashv$	
											_		
		$\langle \rangle$	4										
		$\langle \cdot \rangle$									$\dashv$		_
				ļ							_	-	
			4	-							$\dashv$	$\dashv$	_
				}								$\dashv$	$\dashv$
		$\longrightarrow$	$\overline{}$	}							$\dashv$	$\dashv$	
		$\overline{}$		}				<b>,,,,</b>			$\dashv$		
		$\overline{}$	$\overline{}$	ŀ							$\dashv$		-
		$\overline{}$		ŀ									
		nter rock bro											
						я надпацсу ц	elevated response is read.		Drilli	ing Aı	rea , r		
Remar	ks:	BGS = t	pelow g	round su	face				Backgroun	ia (bb	/m):[		
Conve	rted to	Weli?		Yes	(	No	Well I.E	). #:					



	H			<b>BORING LOG</b>									
PRO. DRILI	PROJECT NAME: PROJECT NUMBER: DRILLING COMPANY: DRILLING RIG:			NAS Pe 0401	NAS Pensacola  BORING NUMBER: HA32  0401  DATE: 10-May-00  GEOLOGIST: Skip Barton  DRILLER:								
							RIAL DESCRIPTION		``	0	VA Res	ding (pp	om)
Sample No. and Type or RQD	Depth (FL) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness		Material Classification	0808.	Remarks	UNFILTERED	FILTERED		
1-HA	1				loose	red to orange	medium-grained SAND, w/ trace		dry	0	NA		
2-HA	2			<u>                                     </u>			silt			0	NA		
				]	moderately dense	brown	medium-grained SAND, w/ trace		hard, dry				
							rounded qtz gravel						
				\		dark brown and/or gray	medium-grained SAND		very moist to wet				
					loose	white	medium- to coarse-grained		wet @ ≈ 24 ins.				
			$\angle$				SAND, w/ shell fragments		saturated @≈ 30 ins.				
		/							BGS				
<b> </b>				·									
			$\leftarrow$										
							<u> </u>						
							***************************************						
											-		
				•									
				Ì									
				Ì					243217				
				Ī									
				Ī									
* When roo				@ borehole I	ncrease medin	o frequency if	elevated response is read.						

		Drilling Area
Remarks:	BGS = below ground surface	Background (ppm):

No

Yes

Well I.D. #: ____

Page	1	of	1



DDO	IECT N	LANG:		NAC Da	neecole		BORING NUM	DED.	IIA22				
	PROJECT NAME: PROJECT NUMBER:			NAS Pensacola BORING NUME 0401 DATE:			JLN.	10-May-00					
		OMPA		GEOLOGIST:				Skip Barton					
	LING F						DRILLER:						
_	<u> </u>			1	T	MAT	ERIAL DESCRIPTION	T-			VA Read	i /	
Sample	Depth	Blows/ 6"	Sample	Lithology	Lithology Soil Density/			J			VARGEO	ang (bt	<del>}''')</del>
No. and Type or	(Ft.) or Run No.	or ROD (%)	Rcovery/ Sample	Change (Depth/FL)	Consistency or Rock	İ		s	_ ,	UNFILTERED	9		
RQD			Length	or Screened Level	Herdness	Color	Material Classification	C	Remarks	FILT	FILTERED		
								•		5			
1-HA	1				loose	orange	medium-grained SAND, w/ trace		dry	0	0		
2-HA	2			<u> </u>			silt			180	230		
3-НА	3				moderately dense	brown	medium-grained SAND, w/ trace		hard, dry				
				\			rounded qtz gravel						
				\ \'	dense	dark brown and/or gray	medium-grained SAND w/ dark		moist to very moist w/ faint petroleum odor				
				\			gray or black staining						
				·	loose	white	medium- to coarse-grained		wet @ ≈ 28 ins.				
				·			SAND, w/ shell fragments		saturated @ ≈ 33 ins.				
									BGS				
												$\neg$	
							**************************************						
							**************************************						
							**************************************				1		
													-
	ĺ										1		
	Ĭ			Ì								$\dashv$	
	T I			Ì			· · · · · · · · · · · · · · · · · · ·					$\exists$	
				İ									
				Ī									
												7	
				Ì									
							<u> </u>						
	*When rock coring, enter rock brokeness. **Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.												
Remarks: BGS = below g								Drilling Area Background (ppm):					
, veni <b>ci</b>	marks: BGS = below ground surface Background (ppm):												
Converted to Well I.D. #:													

Page	1	of	1
aye	1	U	1



# **BORING LOG**

		NAME:		NAS Pe	nsacola		BORING NUMB	3ER:	HA34				
		NUMBE		0401			DATE:		10-May-00				
		OMPA	NY:				GEOLOGIST:		Skip Barton				
DRILI	LING F	RIG:					DRILLER:						<del></del>
						MATE	RIAL DESCRIPTION	T		o	VA Reac	ding (pr	om)
Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness		Material Classification	U S C S ·	Remarks	UNFILTERED	FILTERED		
1-НА	1				loose	red to orange	medium-grained SAND, w/ trace		dry	0	NA		
2-НА	1.5						silt			0	NA		
				Ì	moderately dense	brown	medium-grained SAND, w/ trace		moist				
							rounded qtz gravel						-
		$\angle$	$\angle$						REFUSAL @ 18 ins.				
				·									
				·									
			$\angle$										
							· · · · · · · · · · · · · · · · · · ·	ļ					
				ļ									
			$ \langle                                   $	ļ							<b></b>		
				-									
							-	<u> </u>					
				1				<u> </u>					
									·				
		nter rock bri ding in 6 foo		@ borehole. Ir	ncrease readin	g frequency if	elevated response is read.		Drill	ing A	rea		
Remar	ks:	BGS = I	below g	round su	rface			······································	Backgrour	ıd (p	om):[		
Conve	Converted to Well? Yes No Well I.D. #:												

Page	1	of	1



	T						<b>BORING LOG</b>			rage	1	· or	
PROJ	JECT N	NAME:		NAS Pe	ensacola		BORING NUMI	BER:	HA35				
PROJ	JECT N	NUMBE	R:	0401		·····	DATE:	10-May-00					
DRILLING COMPANY:			GEOLOGIST:	GEOLOGIST: Skip Barton									
DRILL	LING F	RIG:					DRILLER:						
						MATE	ERIAL DESCRIPTION	T	I		VA Rea	ding (pp	om)
Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/6" or ROD (%)	Sample Rcovery/ Sample Length	Lithology Change (Depth/Ft.) or Screened Lavel	,		Material Classification		Remarks	UNFILTERED	FILTERED		
1-НА	1				loose	red to orange	medium-grained SAND, w/ trace		dry	0	NA		
2-HA	2			<u>                                     </u>			silt			0	NA		
3-HA	3				moderately dense	brown	medium-grained SAND, w/ trace		moist				

2-HA	2			<u> </u>	.\ '	L		silt		0	NA	<u> </u>	<u> </u>
3-HA	3				$\ $	moderately dense	brown	medium-grained SAND, w/ trace	moist				
						\[		rounded qtz gravel					
					/	dense	dark brown and/or gray	medium-grained SAND	very moist				
			/			loose	white	medium- to coarse-grained					
								SAND, w/ shell fragments	wet @ ≈ 26 ins.				
			/						saturated @ ≈ 30 ins.				
			/						BGS				
					i								
* When roc	k coring, e	nter rock br		<u> </u>			a framinani i						

		Drilling Area
Remarks:	BGS = below ground surface	Background (ppm):

Converted to Well?

No

Yes

Well I.D. #:



BURING LUG													
PRO.	JECT 1	IAME:		NAS Pe	nsacola		BORING NUME	BER:	HA36				
		IUMBE	R:	0401			DATE:		10-May-00				
DRIL	LING (	OMPA	NY:				GEOLOGIST:		Skip Barton				
DRIL	LING F	RIG:					DRILLER:						
F	]	I		· · · · · · · · · · · · · · · · · · ·	T	MATE	ERIAL DESCRIPTION	·		T			
Sample	Depth	Blows/ 6"	Sample	Lithology	Soil Density/		I LINE DESCRIPTION	l u		H	VA Read	ding (pp	m)
No. and Type or RQD	(Ft.) or Run No.	or ROD (%)	Rcovery/ Sample Length	Change (Depth/Ft.) or Screened Level	Consistency or Rock Hardness	Color	Material Classification	S C S	Remarks	UNFILTERED	FILTERED		
1-HA	1		<u>/</u>		loose	red to orange	medium-grained SAND, w/ trace		dry	0	NA		
2-HA	2			<u> </u>	]	1	silt			130	120		
3-НА	3		$\angle$		moderately dense	brown	medium-grained SAND, w/ trace		hard, dry				
							rounded qtz gravel		÷				
					dense	dark brown and/or gray	medium-grained SAND, w/ dark		moist to very moist w/ petroleum odor				
				\			gray or black staining						
					loose	white	medium- to coarse-grained		wet @ ≈ 27 ins.				
							SAND, w/ shell fragments		saturated @ ≈ 30 ins.				
									BGS				
			$\langle \cdot \rangle$										
			4	]								$\dashv$	
			$\overline{}$	ŀ								$\dashv$	
			$\leftarrow$	-									
	<del></del> }			-							$\dashv$		
				-			·					$\dashv$	-
				ŀ							$\dashv$	$\dashv$	-
				-							$\dashv$	$\neg$	
				-							-	$\dashv$	
$\neg +$			$\overline{}$	-							$\dashv$	_	
				-	·				· · · · · · · · · · · · · · · · · · ·		_	一	
									<del></del>		$\neg$	$\exists$	
When rock coring, enter rock brokeness.  Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.  Drilling Area													
Remar	ks: ]	3GS = t	elow g	round sur	face				Backgrour				
Converted to Well? Yes No Well I.D. #:													



# **BORING LOG**

Page	1	of	1	

	BOKING LOG											
PROJEC.	T NAME:		NAS Pe	nsacola		BORING NUME	BER:	HA37				
PROJEC [*]	T NUMBE	ER:	0401		······	DATE:		10-May-00				-
DRILLING	S COMPA	ANY:				GEOLOGIST:		Skip Barton				
DRILLING	RIG:					DRILLER:						
<del></del>		Τ		<del> </del>	MATE	RIAL DESCRIPTION	ļ			VA Rea	lina (na	·=/
Sample Dep			Lithology	Soil Density/		The Beookii Hor	U		$\vdash$	VA Read	aing (pp	om)
No. and (Ft.) Type or Run RQD		Rcovery/ Sample Length	Change (Depth/Ft.) or Screened Level	Consistency or Rock Hardness	Color	Material Classification	S C S *	Remarks	UNFILTERED	FILTERED		
1-HA 1		/	-,\	loose	red to orange	medium-grained SAND, w/ trace		dry	0	NA		
2-HA 1.:	5					silt			0	NA		
		$\overline{Z}$		moderately dense	brown	medium-grained SAND, w/ trace		moist				
			\			rounded qtz gravel						
								wet @ ≈ 18 ins.				
								saturated @ ≈ 21 ins.				
								BGS				
						· .						
			1									
			ļ		_							
			-				_					
			1									
		/										
			-									
		$\langle \rangle$									_	
_ <u></u>			-					<u></u>				
												-
		4	-			-					_	
		/	-									
			-									
Mhan mak aasin	a appear spak by	zakanana l										
When rock corin * Include monitor Remarks:	reading in 6 fo	ot intervals	@ borehole. Ir		g frequency if	elevated response is read.	···	Drilli Backgroun	ing A Id (p	rea om):[		

Converted to Well? Yes

No

Well I.D. #:

ATTACHMENT D

Laboratory Analytical Report



By

**CJP** 

Page 1 of 2

Client Sample ID: NASP23 HA0401

File ID

H007468.D

Lab Sample ID:

F6500-1

Matrix: Method: SO - Soil SW846 8260B

DF

1

Analyzed

05/17/00

Date Sampled: 05/10/00 Date Received: 05/11/00

Percent Solids: 90.1

n/a

Project:

NAS Pensacola

Prep Date **Prep Batch Analytical Batch** 

n/a

VH80

Run#1 Run #2

#### VOA 8021 List

CAS No.	Compound	Result	RL	Units Q	
71-43-2	Benzene	ND	5,3	ug/kg	
75-27-4	Bromodichloromethane	ND	a <b>5.3</b>	ug/kg	
75-25-2	Bromoform	ND	5.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	ug/kg	
75-00-3	Chloroethane	ND	5.3	ug/kg	
67-66-3	Chloroform	ND	5.3	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	· 11	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.3	ug/kg	
75-34-3	1, 1-Dichloroethane	ND	5.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.3	ug/kg	
124-48-1	Dibromochloromethane	ND	ું 5.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	<b>5.3</b>	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	_% 5.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	<b>5.3</b>	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	ug/kg	
100-41-4	Ethylbenzene	ND	5.3	ug/kg	
74-83-9	Methyl bromide	ND	5.3	ug/kg	
74-87-3	Methyl chloride	ND	5.3	ug/kg	
75-09-2	Methylene chloride	ND	∴11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	§ <b>5.3</b>	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.3	ug/kg	
108-88-3	Toluene	ND	5.3	ug/kg	
79-01-6	Trichloroethylene	ND	§ 5.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	ુ 5.3	ug/kg	
75-01-4	Vinyl chloride	ND	<b>5.3</b>	ug/kg	
1330-20-7	Xylene (total)	ND	16	ug/kg	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Page 2 of 2

Client Sample ID: NASP23 HA0401

Lab Sample ID: Matrix: F6500-1

L0200-1

SO - Soil SW846 8260B Date Sampled: 05/10/00 Date Received: 05/11/00

Percent Solids: 90.1

Method: Project:

NAS Pensacola

#### VOA 8021 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		71-122%
2037-26-5	Toluene-D8	101%		73-128%
460-00-4	4-Bromofluorobenzene	105%		53-158%
17060-07-0	1,2-Dichloroethane-D4	106%		71-122%

N = Indicates presumptive evidence of a compound



Page 1 of 1

Client Sam Lab Samp Matrix: Method: Project:	-			Date Samp Date Receiv Percent Sol	/ed: 05/11/00	
Run #1 Run #2	File ID DF AA001476.D 1	Analyzed 05/25/00	By CCJ	Prep Date 05/23/00	Prep Batch OP1590	Analytical Batch GAA64
CAS No.	Compound	Result	RL	Units Q		
83-32-9	Acenaphthene	ND	370	ug/kg		
208-96-8	Acenaphthylene	ND	್ಲ್ 740	ug/kg		
120-12-7	Anthracene	ND	370	ug/kg		
56-55-3	Benzo(a)anthracene	ND	74	ug/kg		
50-32-8	Benzo(a)pyrene	ND	74	ug/kg		
205-99-2	Benzo(b)fluoranthene	ND	<i>∴</i> 74	ug/kg		
191-24-2	Benzo(g,h,i)perylene	ND	74	ug/kg		
207-08-9	Benzo(k)fluoranthene	ND	74	ug/kg	~	
218-01-9	Chrysene	ND	74	ug/kg		
53-70-3	Dibenzo(a,h)anthracene	ND	74	ug/kg		
<b>206-44-</b> 0	Fluoranthene	ND	370	ug/kg		
<b>86-73</b> -7	Fluorene	ND	370	ug/kg		
193-39-5	Indeno(1,2,3-cd)pyrene	ND	<b>5.74</b>	ug/kg		
91-20-3	Naphthalene	ND	370	ug/kg		

CAS No.	Surrogate Recoveries	Run# 1 Run# 2	Limits
84-15-1	o-Terphenyl	66%	35-135%
92-94-4	p-Terphenyl	84%	50-150%

ND

ND

370

370

370

370

ug/kg

ug/kg

ug/kg

ug/kg

90-12-0

91-57-6

85-01-8 129-00-0 1-Methylnaphthalene

2-Methylnaphthalene

Phenanthrene

Pyrene

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



Page 1 of 1

Client Sample ID: NASP23 HA0401

Lab Sample ID: Matrix:

F6500-1

Method:

SO - Soil

FLORIDA-PRO NAS Pensacola

Date Sampled: 05/10/00

Date Received: 05/11/00

Percent Solids: 90.1

Project:

Run#1

File ID OP08332.D DF 1

By ME Prep Date 05/18/00

Prep Batch OP1570

**Analytical Batch GOP379** 

Run #2 CAS No.

TPH (C8-C40)

Result

RL

Units Q

Compound

Analyzed

05/19/00

9.2

mg/kg

CAS No.

Surrogate Recoveries

Run#1

28.2

Run#2

Limits

84-15-1

o-Terphenyl

98%

40-140%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Page 1 of 2

Client Sample ID: NASP23 HAD01

Lab Sample ID: F6500-2 Matrix: SO - Soil Method: SW846 8260B

File ID

Date Sampled: 05/10/00 Date Received: 05/11/00 Percent Solids: 89.9

Project:

**NAS** Pensacola

DF

Prep Date Prep Batch **Analytical Batch** 

Analyzed By H007469.D Run #1 1 05/17/00 CJP VH80 n/a n/a

Run #2

#### VOA 8021 List

CAS No.	Compound	Result	RL	Units Q
71-43-2	Benzene	ND	5.6	ug/kg
75-27-4	Bromodichloromethane	ND	5.6	ug/kg
75-25-2	Bromoform	ND	5.6	ug/kg
108-90-7	Chlorobenzene	ND	ે 5.6	ug/kg
75-00-3	Chloroethane	ND	<b>5.6</b>	ug/kg
67-66-3	Chloroform	ND	5.6	ug/kg
110-75-8	2-Chloroethyl vinyl ether	ND	<b>≨ 11</b>	ug/kg
56-23-5	Carbon tetrachloride	ND	<b>5.6</b>	ug/kg
75-34-3	1,1-Dichloroethane	ND	₿ 5.6	ug/kg
75-35-4	1,1-Dichloroethylene	ND	<b> 5.6</b>	ug/kg
106-93-4	1,2-Dibromoethane	ND	5.6	ug/kg
107-06-2	1,2-Dichloroethane	ND	ି 5.6	ug/kg
78-87-5	1,2-Dichloropropane	ND	5.6	ug/kg
124-48-1	Dibromochloromethane	ND	5.6	ug/kg
75-71-8	Dichlorodifluoromethane	ND	5.6	ug/kg
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	ug/kg
541-73-1	m-Dichlorobenzene	ND	5.6	ug/kg
95-50-1	o-Dichlorobenzene	ND	5.6	ug/kg
106-46-7	p-Dichlorobenzene	ND	ິ 5.6	ug/kg
156-60-5	trans-1,2-Dichloroethylene	ND	<i>5</i> .6	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	ug/kg
100-41-4	Ethylbenzene	ND	ે 5.6	ug/kg
74-83-9	Methyl bromide	ND	5.6	ug/kg
74-87-3	Methyl chloride	ND	5.6	ug/kg
75-09-2	Methylene chloride	ND	11	ug/kg
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	ug/kg
71-55-6	1,1,1-Trichloroethane	ND	5.6	ug/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg
79-00-5	1,1,2-Trichloroethane	ND	5.6	ug/kg
127-18-4	Tetrachloroethylene	ND	5.6	ug/kg
108-88-3	Toluene	ND	5.6	ug/kg
79-01-6	Trichloroethylene	ND	5.6	ug/kg
75-69-4	Trichlorofluoromethane	ND	5.6	ug/kg
75-01-4	Vinyl chloride	ND	5.6	ug/kg
1330-20-7	Xylene (total)	ND	∵ 17	ug/kg

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Page 2 of 2

Client Sample ID: NASP23 HAD01

Lab Sample ID:

F6500-2

SO - Soil

Matrix: Method: Project:

SW846 8260B NAS Pensacola **Date Sampled:** 05/10/00 Date Received: 05/11/00

Percent Solids: 89.9

#### VOA 8021 List

CAS No.	Surrogate Recoveries	Run#1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	114%		71-122 %
2037-26-5	Toluene-D8	103%		73-128%
460-00-4	4-Bromofluorobenzene	103%		53-158%
17060-07-0	1,2-Dichloroethane-D4	106%		71-122%

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



Page 1 of 1

Client Sample ID:	NASP23 HAD01
Lab Sample ID:	F6500-2
Matrix:	SO - Soil
Method:	EPA 8310
Project:	NAS Pensacola

Date Sampled: 05/10/00 Date Received: 05/11/00 Percent Solids: 89.9

Run #1	File ID	<b>DF</b>	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	AA001477.D	1	05/25/00	CCJ	05/23/00	OP1590	GAA64
CAS No.	Compound		Result	RL	Units Q		

AS No.	Compound	Result	RL	Units Q
-32-9	Acenaphthene	ND	370	ug/kg
8-96-8	Acenaphthylene	ND	a. <b>740</b>	ug/kg
0-12-7	Anthracene	ND	370	ug/kg
-55-3	Benzo(a)anthracene	ND	74	ug/kg
-32-8	Benzo(a)pyrene	ND	74	ug/kg
5-99-2	Benzo(b)fluoranthene	ND	74	ug/kg
1-24-2	Benzo(g,h,i)perylene	ND	74	ug/kg
7-08-9	Benzo(k)fluoranthene	ND	.: 74	ug/kg
8-01-9	Chrysene	ND	74	ug/kg
70-3	Dibenzo(a,h)anthracene	ND	74	ug/kg
-44-0	Fluoranthene	ND	370	ug/kg
73-7	Fluorene	ND	370	ug/kg
-39-5	Indeno(1,2,3-cd)pyrene	ND	74	ug/kg
20-3	Naphthalene	ND	370	ug/kg
12-0	1-Methylnaphthalene	ND.	. 370	ug/kg
57-6	2-Methylnaphthalene	ND	370	ug/kg
-01-8	Phenanthrene	ND	370	ug/kg
9-00-0	Pyrene	ND	· , <b>37</b> 0	ug/kg
S No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
-15-1	o-Terphenyl	70%		35-135%
94-4	p-Terphenyl	88%		50-1 <i>5</i> 0%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



Page 1 of 2

Client Sample ID: NASP23 HA2601

Lab Sample ID: Matrix:

F6500-3 SO - Soil

Method: Project:

SW846 8260B NAS Pensacola Date Sampled: 05/10/00

Date Received: 05/11/00

Percent Solids: 89.1

	File ID	DF	Analyzed	Ву	Prep Date	Prep Batch	Analytical Batch
Run #1	H007470.D	1	05/17/00	CJP	n/a	n/a	VH80
Run #2							

#### VOA 8021 List

CAS No.	Compound	Result	RL	Units Q
71-43-2	Benzene	ND	5.6	ug/kg
75-27-4	Bromodichloromethane	ND	5.6	ug/kg
75-25-2	Bromoform	ND	5.6	ug/kg
108-90-7	Chlorobenzene	ND	5.6	ug/kg
75-00-3	Chloroethane	ND	5.6	ug/kg
67-66-3	Chloroform	ND	5.6	ug/kg
110-75-8	2-Chloroethyl vinyl ether	ND	<b>11</b>	ug/kg
56-23-5	Carbon tetrachloride	ND	5.6	ug/kg
75-34-3	1,1-Dichloroethane	ND	5.6	ug/kg
75-35-4	1,1-Dichloroethylene	ND	5.6	ug/kg
106-93-4	1,2-Dibromoethane	ND	5.6	ug/kg
107-06-2	1,2-Dichloroethane	ND	5.6	ug/kg
78-87-5	1,2-Dichloropropane	ND	5.6	ug/kg
124-48-1	Dibromochloromethane	ND	5.6	ug/kg
75-71-8	Dichlorodifluoromethane	ND	. 5.6	ug/kg
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	ug/kg
541-73-1	m-Dichlorobenzene	ND	ુ 5.6	ug/kg
95-50-1	o-Dichlorobenzene	ND	5.6	ug/kg
106-46-7	p-Dichlorobenzene	ND	5.6	ug/ <b>kg</b>
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	ug/kg
100-41-4	Ethylbenzene	ND	5.6	ug/kg
74-83-9	Methyl bromide	ND	5.6	ug/kg
74-87-3	Methyl chloride	ND	5.6	ug/kg
75-0 <del>9</del> -2	Methylene chloride	ND	ូ 11	ug/kg
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	ug/kg
71-55-6	1,1,1-Trichloroethane	ND	5.6	ug/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg
79-00-5	1,1,2-Trichloroethane	ND	5.6	ug/kg
127-18-4	Tetrachloroethylene	ND	5.6	ug/kg
108-88-3	Toluene	ND	· 5.6	ug/kg
79-01-6	Trichloroethylene	ND	5.6	ug/kg
75-69-4	Trichlorofluoromethane	ND	5.6	ug/kg
75-01-4	Vinyl chloride	ND	5.6	ug/kg
1330-20-7	Xylene (total)	ND	17	ug/kg

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Page 2 of 2

Client Sample ID: NASP23 HA2601

Lab Sample ID:

F6500-3

Date Sampled: 05/10/00

Matrix: Method:

SO - Soil SW846 8260B Date Received: 05/11/00

Project:

NAS Pensacola

Percent Solids: 89.1

#### VOA 8021 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	117%		71-122%
2037-26-5	Toluene-D8	103%		73-128%
460-00-4	4-Bromofluorobenzene	104%		53-158%
17060-07-0	1,2-Dichloroethane-D4	111%		71-122%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Page 1 of 1

Client Sample ID: NASP23 HA2601

Lab Sample ID: Matrix:

F6500-3

Method:

SO - Soil EPA 8310

Project:

NAS Pensacola

**Date Sampled:** 05/10/00 Date Received: 05/11/00

Percent Solids: 89.1

	 	 _

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	<b>Analytical Batch</b>	
Run #1 Run #2	AA001478.D	1	05/25/00	CCI	05/23/00	OP1590	GAA64	

Run #2					
CAS No.	Compound	Result	RL	Units Q	
83-32-9	Acenaphthene	ND	370	ug/kg	
208-96-8	Acenaphthylene	ND	750	ug/kg	
120-12-7	Anthracene	ND	370	ug/kg	
56-55-3	Benzo(a)anthracene	ND	75	ug/kg	
50-32-8	Benzo(a)pyrene	ND	. 75	ug/kg	
205- <del>99-</del> 2	Benzo(b)fluoranthene	ND	75	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	⁷⁵	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	75	ug/kg	
218-01-9	Chrysene	ND	75	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	75	ug/kg	
206-44-0	Fluoranthene	ND	370	ug/kg	
86-73-7	Fluorene	ND	370	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	: 75	ug/kg	
91-20-3	Naphthalene	ND	370	ug/kg	
90-12-0	1-Methylnaphthalene	ND	370	ug/kg	
91-57-6	2-Methylnaphthalene	ND	370	ug/kg	
85-01-8	Phenanthrene	ND	370	ug/kg	
129-00-0	Pyrene	ND	370	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	68%		35-135%	
92-94-4	p-Terphenyl	85%	,	50-150%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Client Sample ID: NASP23HA2601-A

Lab Sample ID:

F7916-5

Matrix: Method: Project:

SO - Soil

DF

1

FLORIDA-PRO NAS Pensacola

**Date Sampled:** 10/18/00 Date Received:

10/20/00

Percent Solids: 83.4

File ID Run #1 ZF00110.D Analyzed 10/25/00

By ME Prep Date 10/23/00

Prep Batch OP2205

Analytical Batch

GZF6

Run #2

CAS No. Compound

Result

RL

Units Q

TPH (C8-C40)

36.8

10

mg/kg

CAS No. Surrogate Recoveries Run#1

Run#2

Limits

84-15-1

o-Terphenyl

87%

40-140%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



Page 1 of 2

Client Sample ID: NASP23 HA3302

File ID

H007471.D

Lab Sample ID: Matrix:

F6500-4

SO - Soil SW846 8260B Date Sampled: Date Received: 05/11/00

05/10/00

Percent Solids: 91.4

Method: Project:

NAS Pensacola

DF

I

**Prep Date** Prep Batch **Analytical Batch** 

Analyzed By 05/17/00 CJP n/a n/a VH80

Run #1 Run #2

#### VOA 8021 List

CAS No.	Compound	Result	RL	Units Q
71-43-2	Benzene	ND	<b>5.9</b>	ug/kg
75-27-4	Bromodichloromethane	ND	5.9	ug/kg
75-25-2	Bromoform	ND	5.9	ug/kg
108-90-7	Chlorobenzene	ND	5.9	ug/kg
75-00-3	Chloroethane	ND	5.9	ug/kg
67-66-3	Chloroform	ND	5.9	ug/kg
110-75-8	2-Chloroethyl vinyl ether	ND	12	ug/kg
56-23-5	Carbon tetrachloride	ND	5.9	ug/kg
75-34-3	1,1-Dichloroethane	ND	5.9	ug/kg
75-35-4	1,1-Dichloroethylene	ND	5.9	ug/kg
106-93-4	1,2-Dibromoethane	ND	5.9	ug/kg
107-06-2	1,2-Dichloroethane	ND	5.9	ug/kg
78-87-5	1,2-Dichloropropane	ND	5.9	ug/kg
124-48-1	Dibromochloromethane	ND	<b>5.9</b>	ug/kg
75-71-8	Dichlorodifluoromethane	ND	5.9	ug/ <b>kg</b>
15 <del>6</del> -59-2	cis-1,2-Dichloroethylene	ND	5.9	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	ug/kg
541-73-1	m-Dichlorobenzene	ND	<b>ે</b> 5.9	ug/kg
95-50-1	o-Dichlorobenzene	ND	5.9	ug/kg
106-46-7	p-Dichlorobenzene	ND	5.9	ug/kg
156-60-5	trans-1,2-Dichloroethylene	ND	5.9	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	ug/kg
100-41-4	Ethylbenzene	ND	5.9	ug/kg
74-83-9	Methyl bromide	ND	5.9	ug/kg
74-87-3	Methyl chloride	ND	5.9	ug/kg
75-09-2	Methylene chloride	ND	12	ug/kg
1634-04-4	Methyl Tert Butyl Ether	ND	5.9	ug/kg
71-55-6	1,1,1-Trichloroethane	ND	5.9	ug/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	ug/ <b>kg</b>
79-00-5	1,1,2-Trichloroethane	ND	5.9	ug/kg
127-18-4	Tetrachloroethylene	ND	5.9	ug/kg
108-88-3	Toluene	ND	* 5.9	ug/kg
79-01-6	Trichloroethylene		5.9	ug/kg
75-69-4	Trichlorofluoromethane	ND	5.9	ug/kg
75-01-4	Vinyl chloride	ND	5.9	ug/kg
1330-20-7	Xylene (total)	ND	18	ug/kg

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



Page 2 of 2

Client Sample ID: NASP23 HA3302

Lab Sample ID:

F6500-4

Matrix:

SO - Soil SW846 8260B

Method: Project:

NAS Pensacola

Date Sampled: 05/10/00 Date Received: 05/11/00

Percent Solids: 91.4

#### VOA 8021 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		71-122%
2037-26-5	Toluene-D8	102%		73-128%
460-00-4	4-Bromofluorobenzene	103%		53-158%
17060-07-0	1,2-Dichloroethane-D4	110%		71-122%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Page 1 of 1

Client Sample ID: NASP23 HA3302

Lab Sample ID: Matrix:

F6500-4

SO - Soil

Method: Project:

**EPA 8310** 

NAS Pensacola

Date Sampled: 05/10/00 Date Received:

Percent Solids: 91.4

05/11/00

File ID DF Analyzed Prep Date **Prep Batch Analytical Batch** By Run #1 AA001479.D 05/25/00 CCI 05/23/00 OP1590 GAA64 1

Run #2

CAS No.	Compound	Result	RL	Units Q
83-32-9	Acenaphthene	ND	<b>36</b> 0	ug/kg
208-96-8	Acenaphthylene	ND	730	ug/kg
120-12-7	Anthracene	ND	360	ug/kg
56-55-3	Benzo(a)anthracene	ND	<b>7</b> 3	ug/kg
50-32-8	Benzo(a)pyrene	ND	73	ug/kg
205-99-2	Benzo(b)fluoranthene	ND	73	ug/kg
191-24-2	Benzo(g,h,i)perylene	ND	73	ug/kg
207-08-9	Benzo(k)fluoranthene	NĐ	73	ug/kg
218-01-9	Chrysene	ND	73	ug/kg
53-70-3	Dibenzo(a,h)anthracene	ND	73	ug/kg
206-44-0	Fluoranthene	ND	360	ug/kg
86-73-7	Fluorene	ND	360	ug/kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	73	ug/kg
91-20-3	Naphthalene	ND	360	ug/kg
90-12-0	I-Methylnaphthalene	ND	360	ug/kg
91-57-6	2-Methylnaphthalene	ND	360	ug/kg
85-01-8	Phenanthrene	ND	360	ug/kg
129-00-0	Pyrene	ND	360	ug/kg
CAS No.	Surrogate Recoveries	Rum# 1	Run# 2	Limits
84-15-1	o-Terphenyl	70%		35-135%
92-94-4	p-Terphenyl	88%		<b>50-150%</b>

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Client Sample ID: NASP23HA3302-A

Lab Sample ID:

F7929-1

Matrix:

SO - Soil

Method: Project: FLORIDA-PRO NAS Pensacola

DF

1

Date Sampled:

10/20/00

Date Received:

10/21/00

Percent Solids:

89.7

Run #1

File ID OP11691.D Analyzed 11/03/00

By KP **Prep Date** 10/30/00

Prep Batch OP2244

**Analytical Batch** 

GOP474

Run #2

Compound

Result

RL

Units Q

CAS No.

TPH (C8-C40)

7.68

9.3

mg/kg J

CAS No.

Surrogate Recoveries

Run# 1

Run#2

Limits

84-15-1

o-Terphenyl

88%

40-140%

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



Page 1 of 2

Client Sample ID: NASP23 HA2901

Lab Sample ID: Matrix:

F6500-5

SO - Soil SW846 8260B **Date Sampled:** 05/10/00

Date Received: 05/11/00

Project: NAS Pensacola Percent Solids: 88.3

Run #1

Method:

File ID H007500.D DF Analyzed 1 05/18/00

By CJP Prep Date n/a

Prep Batch

Analytical Batch

n/a VH80

Run #2

#### **VOA 8021 List**

CAS No.	Compound	Result	RL	Units Q
71-43-2	Benzene	ND	ું 5.9	ug/kg
75-27-4	Bromodichloromethane	ND	્રે <b>5</b> .9	ug/kg
75-25-2	Bromoform	ND	5.9	ug/kg
108-90-7	Chlorobenzene	ND	5.9	ug/kg
75-00-3	Chloroethane	ND	5.9	ug/kg
67-66-3	Chloroform	ND	5.9	ug/kg
110-75-8	2-Chloroethyl vinyl ether	ND	12	ug/kg
56-23-5	Carbon tetrachloride	ND	5.9	ug/kg
75-34-3	1,1-Dichloroethane	ND	5.9	ug/kg
75-35-4	1,1-Dichloroethylene	ND	5.9	ug/kg
106-93-4	1,2-Dibromoethane	ND	5.9	ug/kg
107-06-2	1,2-Dichloroethane	ND	5.9	ug/kg
78-87-5	1,2-Dichloropropane	ND	5.9	ug/kg
124-48-1	Dibromochloromethane	ND	5.9	ug/kg
75-71-8	Dichlorodifluoromethane	ND	5.9	ug/kg
156-59-2	cis-1,2-Dichloroethylene	ND	5.9	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	ug/kg
541-73-1	m-Dichlorobenzene	ND	5.9	ug/kg
95-50-1	o-Dichlorobenzene	ND	5.9	ug/kg
106-46-7	p-Dichlorobenzene	ND	5.9	ug/kg
156-60-5	trans-1,2-Dichloroethylene	ND	5.9	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	ug/kg
100-41-4	Ethylbenzene	ND	5.9	ug/kg
74-83-9	Methyl bromide	ND	5.9	ug/kg
74-87-3	Methyl chloride	ND	5.9	ug/kg
75-0 <del>9</del> -2	Methylene chloride	ND	<b>12</b>	ug/kg
1634-04-4	Methyl Tert Butyl Ether	ND	5.9	ug/kg
71-55-6	1,1,1-Trichloroethane	ND	5.9	ug/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	ug/kg
79-00-5	1,1,2-Trichloroethane	ND	ું 5.9	ug/kg
127-18-4	Tetrachloroethylene	ND	5.9	ug/kg
108-88-3	Toluene	ND	ି 5.9	ug/kg
79-01-6	Trichloroethylene	ND	5.9	ug/kg
75-69-4	Trichlorofluoromethane	ND	5.9	ug/kg
75-01-4	Vinyl chloride	ND	;⊧ 5.9	ug/kg
1330-20-7	Xylene (total)	ND	18	ug/kg

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Page 2 of 2

Client Sample ID: NASP23 HA2901

Lab Sample ID:

F6500-5

Date Sampled: 05/10/00

Matrix: Method: SO - Soil SW846 8260B Date Received: 05/11/00

Project:

NAS Pensacola

Percent Solids: 88.3

#### VOA 8021 List

CAS No.	Surrogate Recoveries	Run#1 Run	#2 Limits
1868-53-7	Dibromofluoromethane	101%	71-122%
2037-26-5	Toluene-D8	101%	73-128%
460-00-4	4-Bromofluorobenzene	104%	53-158%
17060-07-0	1,2-Dichloroethane-D4	108%	71-122%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Page 1 of 1

	Client Sample ID:	NASP23 HA2901
	Lab Sample ID:	F6500-5
1	- · ·	

Matrix: Method: Project:

SO - Soil **EPA 8310** 

NAS Pensacola

Date Sampled: 05/10/00

Date Received: 05/11/00 Percent Solids: 88.3

	File ID	DF	Analyzed	Ву	Prep Date	Prep Batch	Analytical Batch
Run #1	AA001480.D	1	05/25/00	CCJ	05/23/00	OP1590	GAA64
Dim #2							

CAS No.	Compound	Result	RL	Units Q
83-32-9	Acenaphthene	ND	380	ug/kg
208-96-8	Acenaphthylene	ND	760	ug/kg
120-12-7	Anthracene	ND	380	ug/kg
56-55-3	Benzo(a)anthracene	ND	76	ug/kg
50-32-8	Benzo(a)pyrene	ND	76	ug/kg
205-99-2	Benzo(b)fluoranthene	ND	76	ug/kg
191-24-2	Benzo(g,h,i)perylene	ND	<b>76</b>	ug/kg
207-08-9	Benzo(k)fluoranthene	ND	² 76	ug/kg
218-01-9	Chrysene	ND	76	ug/kg
53-70-3	Dibenzo(a,h)anthracene	ND	76	ug/kg
206-44-0	Fluoranthene	ND	∴ 380	ug/kg
86-73-7	Fluorene	ND	<b>380</b>	ug/kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	76	ug/kg
91-20-3	Naphthalene	ND	380	ug/kg
90-12-0	1-Methylnaphthalene	ND	980	ug/kg
91-57-6	2-Methylnaphthalene	ND	380	ug/kg
85-01-8	Phenanthrene	ND	380	ug/kg
129-00-0	Pyrene	ND	380	ug/k <b>g</b>
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	69%	# * * * * * * * * * * * * * * * * * * *	35-135%
92-94-4	p-Terphenyl	89%		50-150%
	• •	Addition of page 1	•	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Client Sample ID: NASP23HA2901-A Lab Sample ID: F7916-3 Matrix: SO - Soil

Matrix:
Method:

SO - Soil FLORIDA-PRO Date Sampled: 10/18/00
Date Received: 10/20/00

Percent Solids: 89.7

Project: NAS Pensacola

File ID DF Analyzed By Prep Date Prep Batch Analytical Batch
Run #1 ZF00127.D 2 10/26/00 ME 10/23/00 OP2205 GZF7

Run #2

CAS No. Compound Result RL Units Q

TPH (C8-C40)

63.6 18 mg/kg

CAS No. Surrogate Recoveries Run# 1 Run# 2 Limits

84-15-1 o-Terphenyl 81% 40-140%

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



Page 1 of 2

Client Sample ID: NASP23 HA2201

Lab Sample ID: Matrix:

F6500-6 SO - Soil

Method: Project:

SW846 8260B

NAS Pensacola

Date Sampled: 05/10/00 Date Received: 05/11/00

Percent Solids: 87.7

Run#1

File ID H007473.D DF 1

By Analyzed 05/17/00

Prep Date CJP n/a

Prep Batch n/a

**Analytical Batch** 

VH80

Run #2

#### VOA 8021 List

CAS No.	Compound	Result	RL	Units Q
71-43-2	Benzene	ND	5.5	ug/kg
75-27-4	Bromodichloromethane	ND	5.5	ug/kg
75-25-2	Bromoform	ND	5.5	ug/kg
108-90-7	Chlorobenzene	ND	<b>5.5</b>	ug/kg
75-00-3	Chloroethane	ND	5.5	ug/kg
67-66-3	Chloroform	ND	5.5	ug/kg
110-75-8	2-Chloroethyl vinyl ether	ND	11	ug/kg
56-23-5	Carbon tetrachloride	ND	5.5	ug/kg
75-34-3	1,1-Dichloroethane	ND	5.5	ug/kg
75-35-4	1,1-Dichloroethylene	ND	5.5	ug/kg
106-93-4	1,2-Dibromoethane	ND	5.5	ug/kg
107-06-2	1,2-Dichloroethane	ND	<b>5.5</b>	ug/kg
78-87-5	1,2-Dichloropropane	ND.	5.5	ug/kg
124-48-1	Dibromochloromethane	ND	5.5	ug/kg
75-71-8	Dichlorodifluoromethane	ND	5.5	ug/kg
156-59-2	cis-1,2-Dichloroethylene	ND	5.5	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	ug/kg
541-73-1	m-Dichlorobenzene	ND	<b>5.5</b>	ug/kg
95-50-1	o-Dichlorobenzene	ND	5.5	ug/kg
106-46-7	p-Dichlorobenzene	ND	્ર 5.5	ug/kg
156-60-5	trans-1,2-Dichloroethylene	ND	5.5	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	ug/kg
100-41-4	Ethylbenzene	ND	5.5	ug/kg
74-83-9	Methyl bromide	ND	5.5	ug/kg
74-87-3	Methyl chloride	ND	5.5	ug/kg
75-09-2	Methylene chloride	ND	, 11	ug/kg
1634-04-4	Methyl Tert Butyl Ether	ND	5.5	ug/kg
71-55-6	1,1,1-Trichloroethane	ND	5.5	ug/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	ຶ 5.5	ug/kg
79-00-5	1,1,2-Trichloroethane	ND	5.5	ug/kg
127-18-4	Tetrachloroethylene	ND	<b>5.5</b>	ug/kg
108-88-3	Toluene	ND	§ 5.5	ug/ <b>kg</b>
79-01-6	Trichloroethylene	ND	ું 5.5	ug/kg
75-69-4	Trichlorofluoromethane	ND	5.5	ug/kg
75-01-4	Vinyl chloride	ND	5.5	ug/kg
1330-20-7	Xylene (total)	ND	ဳ 16	ug/ <b>kg</b>

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Page 2 of 2

Client Sample ID: NASP23 HA2201

Lab Sample ID: Matrix: F6500-6

SO - Soil SW846 8260B

Method: Project:

NAS Pensacola

Date Sampled: 05/10/00
Date Received: 05/11/00
Percent Solids: 87.7

VOA 8021 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	118%		71-122%
2037-26-5	Toluene-D8	100%		73-128%
460-00-4	4-Bromofluorobenzene	102%	¥	53-158%
17060-07-0	1,2-Dichloroethane-D4	115%		71-122%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Page 1 of 1

Client Sample ID: NASP23 HA2201

Lab Sample ID:

F6500-6

Matrix: Method: SO - Soil EPA 8310

Project:

NAS Pensacola

Date Sampled: 05/10/00 Date Received: 05/11/00

Percent Solids: 87.7

	File ID	DF	Analyzed	Ву	Prep Date	Prep Batch	Analytical Batch
Run #1	AA001481.D	1	05/25/00	CCI	05/23/00	OP1590	GAA64
Dun #2							

Run #2					
CAS No.	Compound	Result	RL	Units Q	
83-32-9	Acenaphthene	ND	380	ug/kg	,
208-96-8	Acenaphthylene	ND	<b>760</b>	ug/kg	
120-12-7	Anthracene	ND	380	ug/kg	
56-55-3	Benzo(a)anthracene	ND	76	ug/kg	
50-32-8	Benzo(a)pyrene	ND	76	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	76	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	·, <b>7</b> 6	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	² 76	ug/kg	
218-01-9	Chrysene	ND	ુ 76	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	76	ug/kg	
206-44-0	Fluoranthene	ND	380	ug/kg	
86-73-7	Fluorene	ND	380	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	76	ug/kg	
91-20-3	Naphthalene	ND	380	ug/kg	
90-12-0	1-Methylnaphthalene	ND	380	ug/kg	
91-57-6	2-Methylnaphthalene	ND	380	ug/kg	
85-01-8	Phenanthrene	ND	<b>380</b>	ug/kg	
129-00-0	Pyrene	ND	₹ 380	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	74%		35-135%	
92-94-4	p-Terphenyl	96%	pr.	50-150%	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Client Sample ID: NASP23HA2201-A

Lab Sample ID:

F7916-1

Matrix:

SO - Soil

Method:

FLORIDA-PRO

Date Sampled:

10/18/00

Date Received:

10/20/00

Percent Solids: 83.4

Project:

NAS Pensacola

Run #1

File ID ZF00126.D DF Analyzed 2 10/26/00

By ME **Prep Date** 10/23/00

Prep Batch OP2205

**Analytical Batch** GZF7

Run #2

CAS No.

RL

Units Q

Compound

TPH (C8-C40)

Result

mg/kg

CAS No.

Surrogate Recoveries

Run#1

20 Run#2

Limits

84-15-1

o-Terphenyl

102%

40-140%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Page 1 of 2

Client Sample ID: NASP23 HA2002

Lab Sample ID:

F6500-7

Matrix: Method: SO - Soil SW846 8260B Date Sampled: 05/10/00 Date Received: 05/11/00

Percent Solids: 85.9

Project:

NAS Pensacola

**Analytical Batch** File ID DF Analyzed Prep Date **Prep Batch** By H007479,D 05/18/00 CJP VH80 Run #1 1 n/a n/a

Run #2

#### VOA 8021 List

CAS No.	Compound	Result	RL	Units Q
71-43-2	Benzene	ND	6.2	ug/kg
75-27-4	Bromodichloromethane	NĎ	e. <b>6.2</b>	ug/kg
75-25-2	Bromoform	ND	6.2	ug/kg
108-90-7	Chlorobenzene	ND	6.2	ug/kg
75-00-3	Chloroethane	ND	6.2	ug/kg
67-66-3	Chloroform	ND	6.2	ug/kg
110-75-8	2-Chloroethyl vinyl ether	ND	. 12	ug/kg
56-23-5	Carbon tetrachloride	ND	6.2	ug/kg
75-34-3	1,1-Dichloroethane	ND	6.2	ug/kg
75-35-4	1,1-Dichloroethylene	ND	6.2	ug/kg
106-93-4	1,2-Dibromoethane	ND	6.2	ug/kg
107-06-2	1,2-Dichloroethane	ND	6.2	ug/kg
78-87-5	1,2-Dichloropropane	ND	6.2	ug/kg
124-48-1	Dibromochloromethane	ND	6.2	ug/kg
75-71-8	Dichlorodifluoromethane	ND	6.2	ug/kg
156-59-2	cis-1,2-Dichloroethylene	ND	6.2	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	ug/kg
541-73-1	m-Dichlorobenzene	ND	6.2	ug/kg
95-50-1	o-Dichlorobenzene	NĐ	6.2	ug/kg
106-46-7	p-Dichlorobenzene	ND	6.2	ug/kg
156-60-5	trans-1,2-Dichloroethylene	ND	6.2	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	ug/kg
100-41-4	Ethylbenzene	ND	6.2	ug/ <b>k</b> g
74-83-9	Methyl bromide	ND	6.2	ug/kg
74-87-3	Methyl chloride	ND	6.2	ug/kg
75-09-2	Methylene chloride	ND	<i>i</i> 12	ug/kg
1634-04-4	Methyl Tert Butyl Ether	ND	6.2	ug/kg
71-55-6	1,1,1-Trichloroethane	ND	6.2	ug/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
79-00-5	1,1,2-Trichloroethane	ND	6.2	ug/kg
127-18-4	Tetrachloroethylene	ND	6.2	ug/kg
108-88-3	Toluene	ND	6.2	ug/kg
79-01-6	Trichloroethylene	ND	6.2	ug/kg
75-69-4	Trichlorofluoromethane	ND	ું 6.2	ug/kg
75-01-4	Vinyl chloride	ND	6.2	ug/kg
1330-20-7	Xylene (total)	ND	19	ug/kg

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Page 2 of 2

Client Sample ID: NASP23 HA2002

Lab Sample ID:

F6500-7

Matrix:

SO - Soil

Method: Project:

SW846 8260B NAS Pensacola Date Sampled: 05/10/00

Date Received: 05/11/00 Percent Solids: 85.9

**VOA 8021 List** 

CAS No.	Surrogate Recoveries	Run# 1 Run#	2 Limits
1868-53-7	Dibromofluoromethane	99%	71-122%
2037-26-5	Toluene-D8	100%	73-128%
460-00-4	4-Bromofluorobenzene	103%	53-158%
17060-07-0	1,2-Dichloroethane-D4	110%	71-122%

N = Indicates presumptive evidence of a compound



Page 1 of 1

Client	Sample	D:	NASP23	HA2002

Lab Sample ID: Matrix:

F6500-7

Method: Project:

SO - Soil EPA 8310

NAS Pensacola

Date Sampled: 05/10/00 Date Received: 05/11/00

Percent Solids: 85.9

	File ID	DF	Analyzed	Ву	Prep Date	Prep Batch	Analytical Batch
Run#i	AA001483.D	1	05/25/00	CCI	05/23/00	OP1590	GAA64
Run #2							

CAS No.	Compound	Result	RL	Units Q
83-32-9	Acenaphthene	ND	390	ug/kg
208-96-8	Acenaphthylene	ND	780	ug/kg
120-12-7	Anthracene	ND	390	ug/kg
56-55-3	Benzo(a)anthracene	ND	. 78	ug/kg
50-32-8	Benzo(a)pyrene	ND	· 78	ug/kg
205-99-2	Benzo(b)fluoranthene	ND	<b>78</b>	ug/kg
191-24-2	Benzo(g,h,i)perylene	ND	78	ug/kg
207-08-9	Benzo(k)fluoranthene	ND	⁷⁸	ug/kg
218-01-9	Chrysene	ND	78	ug/kg
53-70-3	Dibenzo(a,h)anthracene	ND	<b>78</b>	ug/kg
206-44-0	Fluoranthene	ND	∵ 390	ug/kg
86-73-7	Fluorene	ND	390	ug/kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	<b>9 78</b>	ug/kg
91-20-3	Naphthalene	ND	390	ug/kg
90-12-0	1-Methylnaphthalene	ND	<b>39</b> 0	ug/kg
91-57-6	2-Methylnaphthalene	ND	ි 390	ug/kg
85-01-8	Phenanthrene	ND	3 <del>9</del> 0	ug/kg
129-00-0	Pyrene	ND	390	ug/kg
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	68%	٠.	35-135%
92-94-4	p-Terphenyl	88%	¢	50-1 <b>50%</b>
	- · ·		•	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Client Sample ID: NASP23HA2002-A

Lab Sample ID:

F7916-2

Matrix:

SO - Soil

Method: Project:

FLORIDA-PRO NAS Pensacola

Date Sampled: Date Received:

10/18/00 10/20/00

Percent Solids: 79.5

File ID DF By **Prep Date Prep Batch** Analyzed ZF00108.D 10/23/00 OP2205 1 . 10/25/00 ME Run #1

Run #2

Compound

Result

**Analytical Batch** 

GZF6

CAS No.

RL

Units Q

TPH (C8-C40)

10

mg/kg

CAS No. **Surrogate Recoveries**  **Run#1** 

Run#2

Limits

84-15-1

o-Terphenyl

78%

40-140%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



By JG Page 1 of 2

Client Sample ID: NASP23 RB 01

File ID

QR002786.D

Lab Sample ID: Matrix:

F6500-8

AQ - Field Blank Water

Analyzed

05/18/00

Date Sampled: 05/10/00 Date Received: 05/11/00

Method:

SW846 8021B

DF

1

Percent Solids: n/a

Project:

NAS Pensacola

Prep Date	Prep Batch	Analytical Batch
n/a	n/a	GQR76

Run #1 Run #2

#### VOA 8021 List

CAS No.	Compound	Result	RL	Units Q
71-43-2	Benzene	ND	1.0	ug/l
75-27-4	Bromodichloromethane	ND	1.0	ug/l
75-25-2	Bromoform	ND	1.0	ug/l
74-83-9	Bromomethane	ND	1.0	ug/l
56-23-5	Carbon tetrachloride	ND	1.0	ug/l
108-90-7	Chlorobenzene	ND	1.0	ug/l
124-48-1	Dibromochloromethane	ND	1.0	ug/l
75-00-3	Chloroethane	ND	1.0	ug/l
110-75-8	2-Chloroethylvinyl ether	ND	1.0	ug/l
67-66-3	Chloroform	ND	1.0	ug/l
74-87-3	Chloromethane	ND	1.0	ug/l
106-93-4	1,2-Dibromoethane	ND	1.0	ug/l
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l
541-73-1	1,3-Dichlorobenzene	49.000	1.0	ug/l
106-46-7	1,4-Dichlorobenzene	ND	[©] 1.0	ug/l
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l
75-34-3	1,1-Dichloroethane	- 1999/00/2007 A . 100:000	1.0	ug/l
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l
156-60-5	trans-1,2-Dichloroethene	ND	_, 1.0	ug/l
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l
100-41-4	Ethylbenzene	ND	1.0	ug/l
75-09-2	Methylene chloride	ND	5.0	ug/l
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/I
79-34-5	1,1,2,2-Tetrachloroethane	ND	<u>.</u> 1.0	ug/l
127-18-4	Tetrachloroethene	ND	1.0	ug/l
108-88-3	Toluene	ND	<u>⊹</u> 1.0	ug/l
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l
79-00-5	1,1,2-Trichloroethane	ND	ී 1.0	ug/l
79-01-6	Trichloroethene	ND	1.0	ug/l
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l
75-01-4	Vinyl chloride	- 95 (Ti - 1,884 - 1	⊗ 1.0	ug/l
1330-20-7	Xylenes (total)	ND	₹ 3.0	ug/l

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



Page 2 of 2

Client Sample ID: NASP23 RB 01

Lab Sample ID:

F6500-8

Matrix:

AQ - Field Blank Water

Date Received: 05/11/00

Date Sampled: 05/10/00

Method:

SW846 8021B

Project:

NAS Pensacola

Percent Solids: n/a

**VOA 8021 List** 

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
75-29-6	2-Chloropropane	87%		75-125%
352-33-0	1-Chloro-4-fluorobenzene	110%		65-125%
352-33-0	1-Chloro-4-fluorobenzene	113%		65-125%
98-08-8	aaa-Trifluorotoluene	104%		72-125%

B = Indicates analyte found in associated method blank



Page 1 of 1

Client Sample ID: NASP23 RB 01

File ID

AA001308.D

Lab Sample ID:

F6500-8

AQ - Field Blank Water

Date Sampled: 05/10/00

Matrix: Method:

EPA 8310

Date Received: 05/11/00 Percent Solids: n/a

Project:

NAS Pensacola

DF Analyzed By Prep Date Prep Batch Analytical Batch
1 05/15/00 CCJ 05/13/00 OP1550 GAA57

Run	#1
Run	#7

Kun #2				
CAS No.	Compound	Result	RL	Units Q
83-32-9	Acenaphthene	ND	2.2	ug/l
208-96-8	Acenaphthylene	ND	2.2	ug/l
120-12-7	Anthracene	ND	ું 2.2	ug/l
56-55-3	Benzo(a)anthracene	ND	0.22	ug/l
50-32-8	Benzo(a)pyrene	ND	0.22	ug/l
05-99-2	Benzo(b)fluoranthene	ND	0.22	ug/l
91-24-2	Benzo(g,h,i)perylene	ND	. 0.22	ug/l
207-08-9	Benzo(k)fluoranthene	ND	் 0.22	ug/l
18-01-9	Chrysene	ND	0.22	ug/l
3-70-3	Dibenzo(a,h)anthracene	ND	0.22	ug/l
206-44-0	Fluoranthene	ND	2.2	ug/l
36-73-7	Fluorene	ND	2.2	ug/l
93-39-5	Indeno(1,2,3-cd)pyrene	ND	0.22	ug/l
1-20-3	Naphthalene	ND	2.2	ug/l
0-12-0	l-Methylnaphthalene	ND	<b>2.2</b>	ug/I
1-57-6	2-Methylnaphthalene	ND	2.2	ug/l
5-01-8	Phenanthrene	ND	2.2	ug/l
129-00-0	Pyrene	ND	2.2	ug/l
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%	*	45-130%
92-94-4	p-Terphenyl	95%		50-150%
	=			

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



Page 1 of 1

Client Sample ID: NASP23 RB 01

Lab Sample ID:

F6500-8

AQ - Field Blank Water

FLORIDA-PRO

Method: Project:

Matrix:

NAS Pensacola

Date Sampled: 05/10/00 Date Received: 05/11/00

Percent Solids: n/a

File ID DF Analyzed By Prep Date Prep Batch Analytical Batch Run #1 OP08270.D 1 05/16/00 ME 05/13/00 OP1551 GOP376

Run #2

CAS No. Compound

Result

RL

Units Q

TPH (C8-C40)

D C

0.25 mg/l

CAS No. Surrogate Recoveries

Run# 1

Run# 2

Limits

84-15-1

o-Terphenyl

95%

40-140%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Client Sample ID: NASP23RB01-A

Lab Sample ID: F7916-6

Matrix:

AQ - Water

FLORIDA-PRO

DF

1

**Date Sampled:** 10/19/00 Date Received: 10/20/00

Percent Solids: n/a

Method: Project:

NAS Pensacola

**Analytical Batch** 

Analyzed By **Prep Date Prep Batch** ME 10/25/00 10/27/00

Run #1 a Run #2

CAS No. Compound

File ID

Result

 $\mathbf{RL}$ 

OP2219

GZF7

Units Q

ZF00140.D

TPH (C8-C40)

**Surrogate Recoveries** 

ND 0.25 mg/1

Run#1

Run# 2

Limits

84-15-1

CAS No.

o-Terphenyl

82%

40-140%

(a) Sample not preserved, adjusted to pH < 2 prior to extraction.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank